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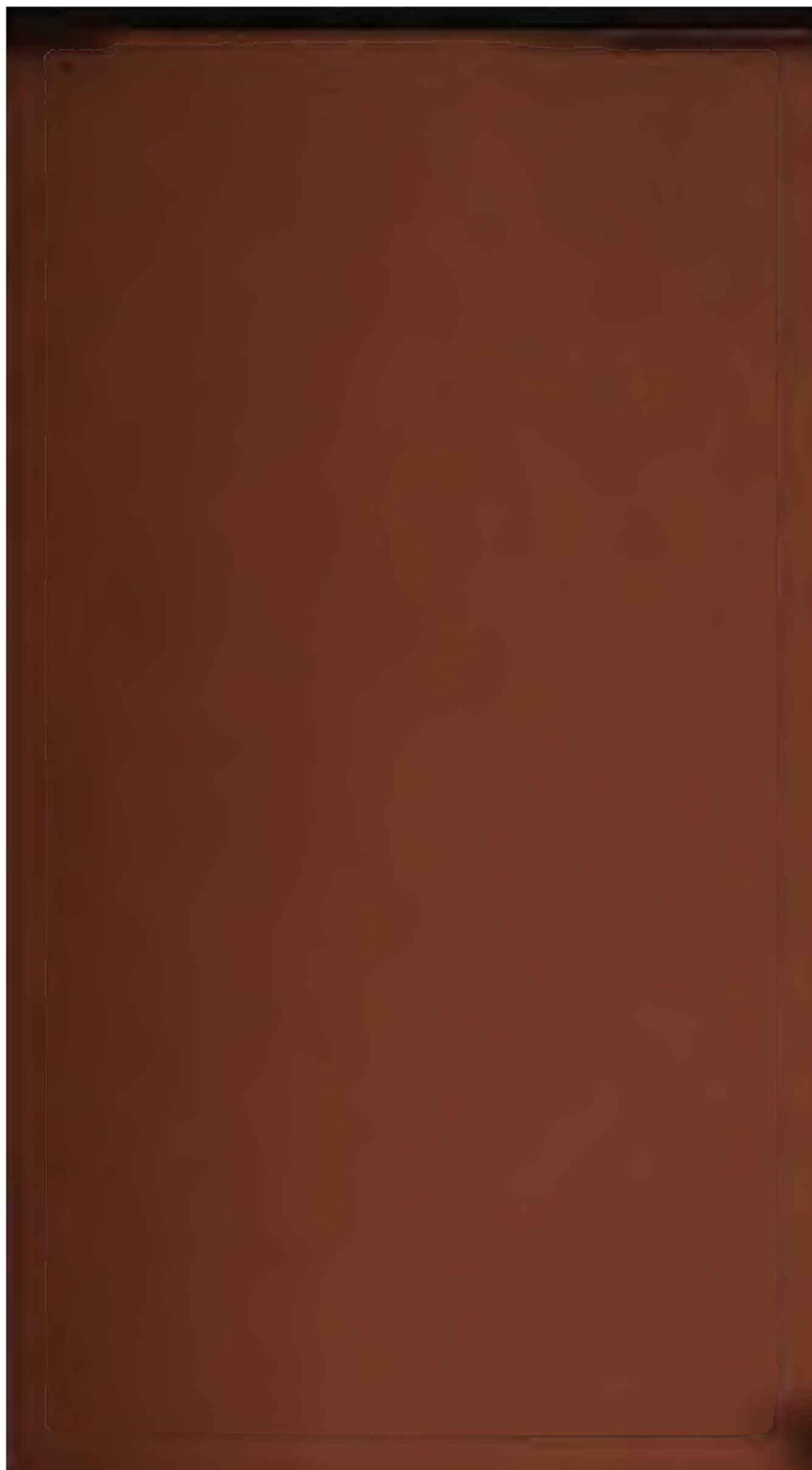
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CATALOGUE
OF THE
SPECIMENS
OF
HEMIPTERA HETEROPTERA
IN
THE COLLECTION
OF THE
BRITISH MUSEUM.

—
PART V.
—



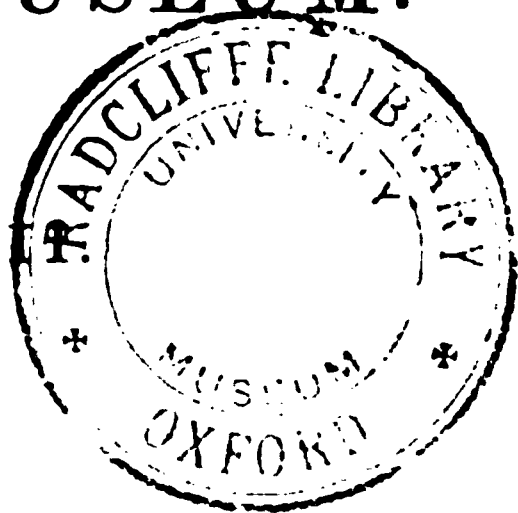
BY
FRANCIS WALKER.

PRINTED FOR THE TRUSTEES OF THE BRITISH MUSEUM:
LONDON, 1873.

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LONDON:

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P R E F A C E.

THE object of the present Catalogue is to give a complete List of all the genera and species of Hemiptera Heteroptera known to exist in the collections of European and American Entomologists. The letters *a, b, c, &c.*, after the species, denote the specimens now contained in the British Museum, followed by the *habitat* and the mode in which each of them was obtained; and the absence of these *letters* indicates the species which are desiderata, and therefore desirable to be procured for the collection.

J. E. GRAY.

BRITISH MUSEUM,

April 17th, 1873.

CATALOGUE
OF
HEMIPTERA HETEROPTERA.

PART VII.

Fam. TINGIDIDÆ (continued).

Genus 4. CANTACADER.

Cantacader, Serv. *Hist. Hem.* 299 *Fieb. Eur. Hem.* 117. *Stål, Hem. Afr.* iii. 26—*Taphrostethus*, *Fieb. Ent. Monogr.* 40.

Europe.

1. CANTACADER QUADRICORNIS.

Piesma quadricornis, L.-Duf. *St. Farg. et Serv. Enc. Meth.* x. 653.
Brullé, Hist. Nat. Ins. ix. 314—*Cantacader quadricornis*, Serv. *Hist. Hem.* 299. *Fieb. Eur. Hem.* 118.

a. Spain. Presented by W. W. Saunders, Esq.

2. CANTACADER STAUDINGERI.

Taphrostethus Staudingeri, *Bär. Berl. Ent. Zeit.* ii. 205, f. 10—*Cantacader Staudingeri*, *Fieb. Eur. Hem.* 118.

Portugal. Isles of Greece.

South America.

3. CANTACADER TINGIDOIDES.

Piesma tingidoides, Spin. *Faun. Chil.* 200—*Cantacader tingidoides*, Sgnt. *A. S. E. F. 4me Sér.* iii. 575.

Chili.

4. CANTACADER GERMAINI.

C. ? Germainii, Sgnt. *A. S. E. F. 4me Sér.* iii. 586.

Chili.

South Africa.

5. CANTACADER TENUIPES.

tenuipes, *Stal. Hem. Afr.* iii. 26.

Sierra Leone.

Genus 5. AGRAMMA.

Agramma, *Westw. Intr. Fieb. Ent. Monogr.* 36; *Eur. Hem.* 118. *Dougl. and Scott, Hem.* 242—*Serenthia*, *Spin. Ess. Hem. H.-Sch. Wanz. Ins.* iv. 49. *Serv. Hist. Hem.* 300.

1. AGRAMMA LÆTA.

Tingis læta, *Fall. Hem. Suec.* 15. *Ahr. Faun. Eur.* 10, 14. *Brullé, Hist. Nat. Ins.* ix. 360; *Blanch. Hist. Nat. Ins.* iii. 112—*Piesma tricolor, De Lap. Hem.* 48—*Piesma lætum, Burm. Handb. Ent.* ii. 257—*Serenthia læta, H.-Sch. Wanz. Ins.* iv. 49, pl. 123, f. 388, pl. 125, f. c. *Serv. Hist. Hem.* 300—*Agramma læta, Fieb. Ent. Monogr.* 37, pl. 2, f. 22—28; *Eur. Hem.* 119. *Dougl. and Scott, Hem.* 242—*Agramma lætum, Flor. Rhyn. Liv.* i. 324.

a—j. England. Presented by C. O. Waterhouse, Esq.

k—t. England.

2. AGRAMMA RUFICORNIS.

Tingis ruficornis, Germ. Ahr. Faun. Eur. 15, 12—*Serenthia ruficornis, H.-Sch. Wanz. Ins.* iii. 48—*Agramma ruficornis, Fieb. Ent. Monogr.* 38, pl. 3, f. 1—6; *Eur. Hem.* 118.

Europe.

3. AGRAMMA ATRICAPILLA.

Serenthia atricapilla, Spin. Hem. 168. *Serv. Hist. Hem.* 300—*Agramma atricapilla, Fieb. Ent. Monogr.* 34; *Eur. Hem.* 118.

a, b. South Europe. Presented by W. W. Saunders, Esq.

4. AGRAMMA NIGRA.

nigra, Fieb. Ent. Monogr. 40, pl. 3, f. 12; *Eur. Hem.* 118.

Sicily.

Genus 6. TAPHROSTETHUS.

Taphrostethus, Fieb. Ent. Monogr. H.-Sch. Wanz. Ins. ix. 149.

1. TAPHROSTETHUS QUINQUECOSTATUS.

quinquecostatus, Fieb. Ent. Monogr. pl. 3, f. 18—22. *H.-Sch. Wanz. Ins.* ix. 150, pl. 311, f. 953.

Hindustan.

Genus 7. PHATNOMA.

Phatnoma, Fieb. *Ent. Monogr.* H.-Sch. Wanz. Ins. ix. 146.

1. PHATNOMA LACINIATA.

laciniata, Fieb. *Ent. Monogr.* pl. 4, 33—38. H.-Sch. Wanz. Ins. ix. 149 pl. 311, f. 952.

Hindustan.

Genus 8. PHYLLOTINGIS.

Fam. Corpus depressum. Caput prothorace brevius, antice lanceolatum et furcatum. Oculi parvi. Rostrum capite brevius. Antennæ capite et prothorace ad unum multo longiores; articulus 1us brevis, 2us 3us et 4us longi, 4us subclavatus. Prothorax tricarinatus, lobis lateralibus biangulatis. Connexivum foliaceum, valde dilatatum. Membranae venæ ramosæ.

Female. Body flat. Head lanceolate and forked in front of the eyes, shorter than the prothorax. Eyes small, not prominent. Rostrum shorter than the head. Antennæ subfiliform, much longer than the head and the prothorax together; first and second joints hirsute; second about thrice as long as the first and the third; fourth subclavate, as long as the second. Prothorax with three slight keels, dilated and foliaceous on each side, the dilatation forming a truncated lobe with acute angles; a slight transverse ridge near the hind border. Scutellum equilaterally triangular. Connexivum much dilated, hind angle of each segment extending much beyond the following segment, two apical lobes. Legs slender, pubescent. Fore wings closely applied to the abdomen; corium very short; membrane with irregularly ramifying veins.

1. PHYLLOTINGIS ARIDA.

Fam. Testacea; membrana diaphana.

Female. Testaceous. Membrane of the fore wings pellucid. Length of the body $3\frac{1}{2}$ lines.

a—c. Ega. From Mr. Bates' collection.

Genus 9. TELEIA.

Teleia, Fieb. *Ent. Monogr.* H.-Sch. Wanz. Ins. ix. 146.

1. TELEIA CORONATA.

coronata, Fieb. *Ent. Monogr.* pl. 3, f. 18—22. H.-Sch. Wanz. Ins. ix. 149, pl. 311, f. 954.

Hindustan.

Genus 10. TIGAVA.

Tigara, *Stal*, *Rio Jan. Hem.* 63.

1. TIGAVA PRÆCELLENS.

præcellens, *Stal*, *Rio Jan. Hem.* 63.

Rio Janeiro.

Genus 11. COLEOPTERODES.

Coleopterodes, *Philippi*, *Stett. Ent. Zeit.* xxv. 307.

1. COLEOPTERODES FUSCESCENS.

fuscescens, *Philippi*, *Stett. Ent. Zeit.* xxv. 308.

Santiago.

Fam. 2. PIESMIDÆ.

Piesmidæ, *Serv. Hist. Hem.* 300—*Zosmenidæ*, *Dokrn.*—*Zosmeridæ*,
Dougl. and Scott, *Hem.* 237.

- | | | | | |
|---------------------------------|---|---|---|------------------|
| A. Fore wings with a membrane. | - | - | - | 1. PIESMA. |
| B. Fore wings with no membrane. | - | - | - | 2. ANOMALOPTERA. |

Genus 1. PIESMA.

Piesma, *St. Farg. et Serv. Enc. Meth.* x. 653—*Zosmenus*, *Fieb. Ent. Monogr.* 30; *Eur. Hem.* 116—*Zosmerus*, *De Lap. Hem.* 49. *Dougl. and Scott*, *Hem.* 237.

1. PIESMA CAPITATA.

Acanthia capitata, *Wolff*, *Icon. Cim.* 131, pl. 13, f. 126—*Salda capitata*, *Panz. Faun. Germ.* 100, 19—*Tingis capitata*, *Latr. Gen.* iii. 140. *Fall. Mon. Cim.* 40; *Hem. Succ.* 150. *H.-Sch. Nom. Ent.* i. 59. *Zett. Ins. Lapp.* 269—*Zosmerus capitatus*, *Burm. Handb. Ent.* ii. 262. *Dougl. and Scott*, *Hem.* 240—*Zosmenus capitatus*, *H.-Sch. Wanz.* ix. 193, pl. 318, f. 983. *Fieb. Ent. Monogr.* 34, pl. 2, f. 18; *Eur. Hem.* 117. *Sahlb. Geoc. Fen.* 128. *Flor. Rhyn. Liv.* i. 315—*Piesma capitata*, *Serv. Hist. Hem.* 301—*Tingis pedicularis*, *H.-Sch. Nom. Ent.* i. 59. *Panz. Faun. Germ.* 100, 19—*Tingis collaris*, *Zett. Ins. Lapp.* 269—*Zosmenus anticus*, *Fieb. Ent. Monogr.* 34, pl. 2, f. 19; *Eur. Hem.* 117. *Sahlb. Geoc. Fen.* 128; *Kol. Mel. Ent.* vi. 6.

a—f. England. Presented by F. Walker, Esq.

g—r. England.

s. Europe. Presented by W. W. Saunders, Esq.

ZONITIDAE

1. ZONITA MONTANA

Zonitum montana, Dr. Ann. Mus. 4—*Zonitum montana*, Dr.
 Mont. Ann. i. 33—*Zonitum montana*, Dr. Ann. Mus.
 Europe.

2. ZONITA CUBANA

Zonitum cubana, Dr. Ann. Mus. i. 33—*Zonitum cubana*, Dr.
 Ann. Mus. i. 33—*Zonitum cubana*, Dr. Ann. Mus.
 Europe.

3. ZONITA ALGERICA

Zonitum Algerica, Dr. Ann. Mus. i. 33—*Zonitum*
Algerica, Dr. Ann. Mus. i. 33
 South Africa.

4. ZONITA VALENTINAE

Zonitum valentinae, Dr. Ann. Mus. i. 33—*Zonitum*
valentinae, Dr. Ann. Mus. i. 33
 Germany.

5. ZONITA LIGURICA

Zonitum ligurica, Dr. Ann. Mus. i. 33—*Zonitum*
ligurica, Dr. Ann. Mus. i. 33—*Zonitum*
ligurica, Dr. Ann. Mus. i. 33—*Zonitum*
ligurica, Dr. Ann. Mus. i. 33
 Europe.

6. ZONITA SARDINICA

Zonitum sardinica, Dr. Ann. Mus. i. 33—*Zonitum*
sardinica, Dr. Ann. Mus. i. 33—*Zonitum*
sardinica, Dr. Ann. Mus. i. 33
 Germany.

7. PISMA ALGERICA

Pisma algerica, Becher. Bull. Soc. Nat. Mosc. xiv. 445
 Europe.

8. PISMA SARDINICA

Pisma sardinica, Becher, Bull. Soc. Nat. Mosc. xi. 113
 Europe.

9. PISMA KOCHE

Pisma kochi, Becher, Bull. Soc. Nat. Mosc. xi. 113
 Europe.

South Africa.

10. PISMA DILATA

Pisma dilata, Stal, Ofv. Vet. Ak. Forh. 1855, 37; Nom. Aph. iii. 64.
 Caffaria.

12. *PIESMA CAPENSIS*.

Nigricans, fusiformis, testaceo unicarinata; antennæ testaceæ, corporis dimidio æquilongæ, articulo 4o nigro; prothorax fulvo trimaculatus; pedes testacei, femoribus nigro latissime cinctis; alæ antica diaphanæ, plaga costali nigricante.

Blackish, fusiform. Head and prothorax with a testaceous keel. Antennæ testaceous, slender, about half the length of the body; third joint about thrice the length of the first and second together; fourth black, fusiform, about one-third of the length of the third. Prothorax with a tawny spot on each side of the fore part, and with another on the disk of the hind part, which is elongated and acute. Legs testaceous; femora black, except at the base and at the tips. Fore wings pellucid; reticulation minute, tawny, a blackish patch on the costa before the middle. Length of the body $1\frac{1}{2}$ line.

a, b. Natal. From M. Gueinzius' collection.

Genus 2. ANOMALOPTERA.

Anomaloptera, Perris, Serv. Hist. Hem. 302.

1. ANOMALOPTERA HELIANTHEMI.

Helianthemi, Perris, Serv. Hist. Hem. 303.

France.

CORTICOLÆ.

A. Rostrum shorter than the head. - - - BRACHYRHYNCHIDÆ.
B. Rostrum longer than the head. - - - ARADIDÆ.

Fam. 1. BRACHYRHYNCHIDÆ.

Brachyrhynchidæ, Serv. Hist. Hem. 303.

A. Scutellum not very large.

a. Fore wings coriaceous at the base, membranous at the tips.

* Fore angles of the prothorax dilated.

† First joint of the antennæ elongated. Sides of the abdomen with rounded lobes. - -

1. DYSODIUS.

†† First joint of the antennæ short. Sides of the abdomen almost straight. - -

2. BRACHYRHYNCHUS.

** Fore angles of the prothorax not dilated.

† Second joint of the antennæ much shorter than the first and than the third. - -

3. CRIMIA.

†† Second joint of the antennæ as long as the first and as the third. - -

4. MEZIRA.

b. Fore wings entirely membranous. - -

5. ANEURUS.

B. Scutellum very large. - -

6. ARADOSYRTIS.

Fam. 2. ARADIDÆ.

Aradidæ, *Serv. Hist. Hem.* 307.

- | | | | | | |
|---|---|---|---|---|--------------------|
| A. Second joint of the antennæ longer than all the others together. | - | - | - | - | 1. ARADUS. |
| B. Second joint of the antennæ not longer than the third. | | | | | |
| a. Scutellum not very large. | | | | | |
| • Body not linear. | - | - | - | - | 2. PIESTONOMA. |
| •• Body linear. | - | - | - | - | 3. MELANOSTESPHUS. |
| b. Scutellum very large. | - | - | - | - | 4. ARADACANTHIA. |

The Brachyrhynchidæ and Aradidæ are united in one family, and are thus distributed in genera by Prof. Stål.—

- | | | |
|--|---|---------------|
| A. Rostrum extending beyond the base of the head. | | 1. ARADUS. |
| B. Rostrum not extending beyond the base of the head. | | |
| a. Scutellum large, extending far beyond the middle of the abdomen. | - | 2. CALISIUS. |
| b. Scutellum of moderate size. | | |
| • Membrane veined. | | |
| † First joint of the antennæ longer than the second. | | |
| ‡ First joint of the antennæ very long, with long and thick-set bristles. | - | 3. ALYATTES. |
| ‡ First joint of the antennæ without long or thick-set hairs. | | |
| § Head with a spine on each side extending beyond the eyes. | - | 4. ARICTUS. |
| §§ Head with no spine extending beyond the eyes. | | |
| X Head extending much in front of the antenniferous tubercles. | | |
| o Segments of the abdomen lobate. | - | 5. DYSONIUS. |
| oo Segments of the abdomen not lobate. | | |
| + First joint of the antennæ shorter than the head. Scutellum not tuberculate. | | |
| ++ Sides of the prothorax bent, lobate in front of the band. | | |
| ↪ Head with a tooth behind the eye. Hind border of the prothorax bent. | - | 6. CINYPHUS. |
| ↪ Head with no tooth behind the eye. Hind border of the prothorax straight. | - | 7. ARTABANUS. |
| +++ Sides of the prothorax slightly bent, not lobate in front of the bend. | - | 8. HESUS. |
| ++ First joint of the antennæ as long as the head. Scutellum with a tubercle. | - | 9. CRIMIA. |

- XX Head extending very slightly a foot of the antenniferous tubercles. - - - - - 10. *ARACHNUS*, Stoll.
 ++ First and second joints of the antennae equally long, or the first shorter than the second.
 : Hind border of the prothorax straight, or very slightly bent. - - - - - 11. *MEURA*.
 ++ Hind border of the prothorax distinctly bent. 12. *BRACHYMYRMICA*.
 ** Membrane not veined.
 † Body hairy. Lobes of the head and antenniferous tubercles usually long. - 13. *APHELOMYRMICA*, Stoll.
 †† Body not hairy. Lobes of the head extending beyond the antenniferous tubercles.
 † Head with a tooth behind the eyes. First joint of the antennae extending beyond the head. - - - - - 14. *CARPENTOR*, Stoll.
 †† Head tuberculate behind the eyes. First joint of the antennae not extending beyond the head.
 § Rostrum inserted near the tip of the head. - - - - - 15. *ANEXERA*.
 §§ Rostrum inserted at the tip of the head. - - - - - 16. *ISODINUS*.

In a later publication he divides the genera into three subfamilies, as follows:—

- A. Rostrum not very short. - - - - - 1. *ARADIA*.
 B. Rostrum very short.
 a. Head with a groove for the rostrum. - - - - - 2. *BRACHYMYRMICA*.
 b. Head with no groove for the rostrum. - - - - - 3. *ISODINUS*.

Genus I. DYSODIUS.

Dysodius, St. Farg. et Serv. *Enc. Meth.* x. 654. *Burm. Handb. Ent.* ii. 255. *Serv. Hist. Hem.* 304.

1. DYSODIUS LUNATUS.

——, Stoll, *Pan.* 53, pl. 13, f. 84—*Acanthia lunata*, Fabr. *Ent. Syst.* iv. 72—*Aradus lunatus*, Fabr. *Syst. Rhyn.* 117. *Wolff, Icon. Cim.* 103, pl. 17, f. 162. *De Lap. Hem.* 154. *Gubr. Icon. R. A. Ins.* pl. 86, f. 16—*Dysodius lunatus*, *Burm. Handb. Ent.* ii. 255. *Blanch. Hist. Nat. Ins.* iii. 111, pl. 3, f. 2. *Serv. Hist. Hem.* 304.

a—b. Columbia. Presented by W. W. Saunders, Esq.

2. DYSODIUS FLAVIVENTRIS.

Flaviventris, *Burm. Handb. Ent.* ii. 255. *H.-Sch. Wanz. Ins.* ix. 140, pl. 119, f. 967.

Brasil.

3. *DYSODIUS PARVULUS*.

parvulus, *H.-Sch. Wanz. Ins.* ix. 139, pl. 312, f. 956.
Baltimore.

Genus 2. *BRACHYRHYNCHUS*.

Brachyrhynchus, *De Lap. Hem.* 54. *Burm. Handb. Ent.* ii. 254. *Serv. Hist. Hem.* 304. *Fieb. Eur. Hem.* 115.

Europe.

1. *BRACHYRHYNCHUS BASALIS*.

basalis, *Fieb. Eur. Hem.* 115.
Spain.

South America.

2. *BRACHYRHYNCHUS PUNCTULATUS*.

punctulatus, *Klug, Burm. Handb. Ent.* ii. 254.
Cassapava.

Div. 2.

Anchomichon, *Spin. Faun. Chil.* 216. *Sgnt. A. S. E. F. 4me Sér.* iii. 577.

3. *BRACHYRHYNCHUS GAYI*.

Anchomichon Gayi, *Spin. Faun. Chil.* 216, pl. 1, f. 14. *Sgnt. A. S. E. F. 4me Sér.* iii. 577.
Chili.

Africa.

4. *BRACHYRHYNCHUS FURCATUS*.

furcatus, *Germ. Silb. Rev. Ent.* v. 133. *Stal, Hem. Afr.* iii. 34.
a, b. Cape. From M. Dregé's collection.
c, d. South Africa. Presented by Sir A. Smith.

5. *BRACHYRHYNCHUS LOBATUS*.

lobatus, *Germ. Silb. Rev. Ent.* v. 133. *Stal, Hem. Afr.* iii. 33.
a, b. Cape. From M. Dregé's collection.
c. South Africa. Presented by Sir A. Smith.

6. *BRACHYRHYNCHUS RUGOSUS*.

Crimia rugosa, *Sgnt. Arch. Ent.* ii. 309—*Brachyrhynchus rugosus*, *Stal, Hem. Afr.* iii. 33.
Calabar. Guinea.

7. BRACHYRHYNCHUS SULCICORNIS.

Mezira sulcicornis, *Synt. A. S. E. F. 3me Sér.* viii. 956—*Brachyrhynchus sulcicornis*, *Stal, Hem. Afr.* iii. 33.

Madagascar.

8. BRACHYRHYNCHUS MONEDULA.

Mezira rugosa, *Synt. A. S. E. F. 3me Sér.* viii. 957—*Brachyrhynchus Monedula*, *Stal, Hem. Afr.* iii. 34.

Madagascar.

South Asia.

9. BRACHYRHYNCHUS ORIENTALIS.

orientalis, *De Lap, Hém.* 54. *Burm. Handb. Ent.* ii. 254. *Blanch, Hist. Nat. Ins.* iii. 111. *Serv. Hist. Hem.* 305.

a—j. Ceylon. Presented by Dr. Templeton.

k, l. Ceylon. Presented by Dr. Thwaites.

m. Ceylon. From Major Parry's collection.

n. Hindostan. Presented by J. C. Bowring, Esq.

o, p. Silhet. Presented by J. C. Bowring, Esq.

q—r. Tenasserim. Presented by J. C. D. V. Packman, Esq.

t. Cambodia. From M. Mouhot's collection.

u. Cambodia. Presented by W. W. Saunders, Esq.

v, o. Java. Presented by J. C. Bowring, Esq.

p—s. Java. From the East India Company's collection.

t. Pulo Penang. Presented by J. C. Bowring, Esq.

u—w. Sarawak. From Mr. Wallace's collection.

x. Aru. Presented by W. W. Saunders, Esq.

y. Tondano. Presented by W. W. Saunders, Esq.

z. Malacca. Presented by W. W. Saunders, Esq.

aa, bb. Manilla. Presented by W. W. Saunders, Esq.

cc—ff. Philippine Isles. From Mr. Cuming's collection.

gg. Singapore. Presented by W. W. Saunders, Esq.

hh. Hong Kong. Presented by Major Champion.

ii. Siam. Presented by W. W. Saunders, Esq.

jj. Ceram. Presented by W. W. Saunders, Esq.

kk. North Hindostan. From Capt. Boyes' collection.

ll. Ternate. Presented by W. W. Saunders, Esq.

10. BRACHYRHYNCHUS MEMBRANACEUS.

Aradus membranaceus, *Fabr. Syst. Rhyn.* 118—*Brachyrhynchus membranaceus*, *Burm. Handb. Ent.* ii. 254. *Stal, Hem. Fabr.* i. 96.

Hindostan. Cochin China. Java. Sumatra.

a. New Guinea. From Mr. Wallace's collection.

b. New Guinea. Presented by W. W. Saunders, Esq.

11. *BRACHYRHYNCHUS NASUTUS*.

nasutus, *Stål, Ofv. K. Vet. Ak. Forh.* 1870, 673.

a, b. Philippine Isles. From Mr. Cuming's collection.

c—f. New Guinea. From Mr. Wallace's collection.

g, i. New Guinea. Presented by W. W. Saunders, Esq.

j. Singapore. Presented by W. W. Saunders, Esq.

Australasia.

12. *BRACHYRHYNCHUS ALBIPENNIS*.

Aradus albipennis, *Fabr. Syst. Rhyn.* 118—*Brachyrhynchus albipennis*,
Stål, Hem. Fabr. i. 96.

Sumatra.

13. *BRACHYRHYNCHUS VULVICORNIS*.

Mea. Ferrugineus, fere fusiformis; caput cornu frontali porrecto longi-
quadrato, lateribus bispinosis; antennæ fulvæ, corporis triente
breviares; prothorax quadricarinatus, lobis subdilatatis; abdomen
apicem versus spinosum; alæ anticæ abdominis apicem non attingen-
tes, membrana cinerea reticulata.

Male. Ferruginous, flat, minutely punctured, nearly fusiform. Head in front with a porrect elongate-quadrate horn, which is a little shorter than the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle. Antennæ tawny, less than one-third of the length of the body, second joint about half the length of the first and of the third; fourth a little shorter than the second. Prothorax with four ridges; lobes slightly widened on each side; dilatation of the fore lobe a little more prominent and more rounded than that of the hind lobe. Scutellum triangular. Disk of the pectus and of the under side of the abdomen tawny. Abdomen with two very short and obtuse teeth on each side near the tip, where there is a short rounded spine on each side. Wings extending to three-fourths of the length of the abdomen, membrane cinereous, with irregularly reticulated piceous veins. Length of the body 4 lines.

a. Ceram. Presented by W. W. Saunders, Esq.

Genus 3. *CRIMIA*.

Crimia, *Serv. Hist. Hem.* 305.

South America.

1. *CRIMIA CINCTICORNIS*.

Mas. Cinereo-picea, longa, postice sublatrescens; caput antice longi-
conicum lateribus unidentatis, antennæ breves, articulis 2o 3oque
luteis apice nigris, 4o clavato; prothoracis lobi quadricalliosi, sub-
marginati, pectoris discus et venter testacei; abdominis latera
testaceo maculata, pedes graciles, tibiis testaceo late bifasciatis; alæ
anticæ abdominis apicem non attingentes, membrana cinerea.

Male. Cinereous, piceous, elongate, finely punctured, widening slightly hindward. Head elongate and conical in front; the part before the eyes longer than the hinder part and than the first joint of the antennæ; a small tooth behind each eye. Rostrum tawny. Antennæ less than one-third of the length of the body; first joint stouter than the others; second and third luteous, black at the tips; second much shorter than the first and than the third; fourth clavate, a little longer than the second. Prothorax narrower in front, with four calli on each of the two lobes, which are well defined and with slightly elevated sides, these in the fore lobe are rounded and in the hind lobe are slightly angular. Abdomen with testaceous lateral spots; under side and disk of the pectus testaceous, truncate, and with a little obtuse spine on each side at the tips. Legs slender; tibiae with two broad testaceous bands. Fore wings extending to three-fourths of the length of the abdomen; membrane cinereous, with some veins, a few of which are forked. Length of the body 4 lines.

a. Para. Presented by W. W. Saunders, Esq.

2. CRIMIA? MARGINALIS.

Mas. Ferrugineus, nitens, subfusiformis; caput supra nigricans, cornu frontali porrecto, spinulis duabus lateralibus; antennæ capite prothoraceque ad unum æquilongæ, articulo 3o basi albido; prothorax plaga discali nigra transversa subquadrata; alæ anticæ diaphanæ, basi opacæ, abdominis apicem fere attingentes.

Male. Ferruginous, flat, shining, finely punctured, subfusiform, widening slightly hindward. Head blackish above, with a porrect cone between the antenniferous tubercles, which have a minute spine on each outer side. Eyes slightly prominent. Rostrum not longer than the head. Antennæ not longer than the head and the prothorax together; second joint much longer than the first, third as long as the second, whitish at the base. Prothorax narrower in front, with a transverse subquadrate black patch in the disk; sides rounded. Legs rather short and stout. Fore wings pellucid except at the base, extending nearly to the tip of the abdomen. Length of the body $3\frac{1}{2}$ lines.

a. Columbia. Presented by W. W. Saunders, Esq.

3. CRIMIA? SIMULANS.

Nigra, nitens, fusiformis; capitis cornu frontale porrectum, antennarum articulo 1o æquilongus; antennæ graciles, capite duplo longiores, articulis 1o 2oque æquilongis, 3o 2o paullo longiore, 4o 3o multo longiore; prothorax transverse subulcatus callis quatuor lateralibus; pedes rufi, breves, femoribus nigris; alæ anticæ diaphanæ, basi coriaceæ.

Black, shining, flat, fusiform. Head with a porrect frontal cone, which is as long as the first joint of the antennæ; an obtuse tooth on each side behind the eyes, which are slightly prominent. Antennæ slender, about twice the length of the head; second joint as long as the first; third a little longer than the second; fourth much longer than the third. Prothorax narrower in front, with a callus on each side in front and behind, and with a slight transverse middle furrow; sides rounded. Abdomen with

red sides. Legs red, short, rather stout; femora black. Fore wings pellucid, membranous, coriaceous at the base, extending nearly to the tip of the abdomen. Length of the body $2\frac{1}{2}$ lines.

e—c. Rio Janeiro. Presented by A. Fry, Esq.

f. Brazil. Presented by W. W. Saunders, Esq.

g—h. Petropolis. Presented by the Rev. H. Clark.

South Asia.

A. Head with a groove beneath.

a. Head with rounded lobes in front, - - - verrucicollis.

b. Head with no rounded lobes in front. - - - lateralis.

B. Head with no groove beneath. - - - rubrescens.

4. CRIMIA TUBERCULATA.

tuberculata, *Serr. Hist. Hem.* 305.

a. Java. From the East India Company's collection.

b. Singapore. Presented by W. W. Saunders, Esq.

c. Java. Presented by J. C. Bowring, Esq.

5. CRIMIA NIGRA.

nigra, *Synt. MSS. Dohrn, Stett. Ent. Zeit.* xx. 406.

Ceylon.

6. CRIMIA VERRUCICOLLIS.

Fœm. Ferruginea, fusiformis; caput cornu frontali porrecto longi-quadrato antice bilobato, spinis quatuor lateralibus; antennæ breves, articulis 1o 3oque subæqualibus, 2o 4oque brevioribus, 4o fusiformi; prothoracis lobi quadratituberculati, lateribus unispinosi; scutellum unicarinatum; abdominis latera flavo-maculata; pedes breviusculi, femoribus subincrassatis; alæ antice abdominis apicem non attingentes, membrana cinerea reticulata.

Female. Ferruginous, nearly flat, punctured, fusiform. Head in front with an elongate-quadrate horn, which is a little shorter than the first joint of the antennæ, and whose fore border forms two rounded lobes; a stout spine on the outer side of each antenniferous tubercle, and a smaller spine behind each eye. Antennæ less than one-fourth of the length of the body, first joint stouter than the others, yellow towards the base, second shorter than the first and than the third; fourth fusiform, almost as long as the second. Prothorax narrower in front, with two well-defined lobes; each lobe with a stout spine on each side and with four tubercles. Scutellum with a keel. Pectus smooth, shining. Abdomen with yellow spots along each side. Legs slightly short, femora slightly thickened. Fore wings extending to three-fourths of the length of the abdomen; membrane cinereous, with reticulated veins. Length of the body 3 lines.

a. Ceylon. Presented by Dr. Templeton.

7. *CRIMIA LATERALIS*.

Form. *Nigricante picea, fusiformis, caput cornu frontali longi-quadrato antice incisio, lateribus bidentatus et bispinosus; antennæ breves, articulis 1o 2o 4oque aequalibus, 4o fusiformi, 3o longiore; prothoracis lobus anticus quadricallosus lateribus rectus, posticus lateribus convexis margine postico subexcavato; scutellum marginatum, uncarinatum; abdominis latera luteo maculata, pedes breviusculi, femoribus subincrassatis, tibiis luteis, alæ anticæ abdominis apicem non attingentes, corii striga albida, membrana diaphana.*

Female. Blackish piceous, flat, finely punctured, fusiform. Head in front with an elongate-quadrate horn, which is notched on the fore border and is not longer than the first joint of the antennæ; a spine behind each eye and a tooth on the outer side of each antenniferous tubercle. Antennæ about one-fourth of the length of the body; second joint as long as the first and as the fourth, shorter than the third; fourth fusiform. Prothorax with two well defined lobes; fore lobe a little narrower than the hind lobe, with four calli and with straight sides; hind lobe with rounded sides, and with a slightly excavated hind border. Scutellum with a keel and with an elevated border. Abdomen with luteous spots along each side. Legs rather short; femora slightly thickened; tibiae luteous at the base. Fore wings extending to three-fourths of the length of the abdomen. Corium with a whitish streak along the outer border; membrane pellucid. Length of the body $2\frac{1}{2}$ lines.

a, b. Ceylon. Presented by Dr. Templeton.

8. *CRIMIA RUBRESCENS*.

Mas et fem. *Nigra, angusta, fere linearis, postice sublaetescens; caput cornu frontali longi-quadrato antice incisio, lateribus bispinosus; antennæ breves, articulis 2o 4oque aequalibus, 4o subfusiformi, 1o 3oque longioribus; prothoracis margo posticus scutellum et abdomen obscure rufa; alæ anticæ abdominis apicem non attingentes, membrana nigricante basi alba.*

Male and female. Black, flat, narrow, finely punctured, nearly linear, slightly widening hindward. Head in front with an elongate-quadrate horn, which is notched on the fore border and equals the first joint of the antennæ in length; a minute spine on the outer side of each antenniferous tubercle; no groove beneath. Antennæ less than one-fourth of the length of the body; first joint not extending beyond the tip of the head; second a little shorter than the first and than the third, fourth subfusiform, as long as the second. Prothorax narrower in front, with a very slight transverse middle furrow; sides straight. Hind border usually with a dark red band. Scutellum triangular. Pectus and abdomen dark red. Legs short. Fore wings extending to three-fourths of the length of the abdomen; membrane blackish white at the base. Length of the body $2\frac{1}{2}$ — $3\frac{1}{2}$ lines.

a. Hindostan. Presented by J. C. Bowring, Esq.

b. Ceylon. From Dr. Thwaites' collection.

c. Siam. Presented by W. W. Saunders, Esq.

d. Singapore. Presented by W. W. Saunders, Esq.

- e. Arn. Presented by W. W. Saunders, Esq.
 f. Sarawak. Presented by W. W. Saunders, Esq.
 g. A. New Guinea Presented by W. W. Saunders, Esq.
 h. Gilolo. Presented by W. W. Saunders, Esq.
 i. Philippine Isles. From Mr. Cuming's collection.
 k. Siam. From Mr. Stevens' collection.
 l. Australia. Presented by the Haslar Hospital.
 m—p. Australia. From Mr. Darnley's collection.

Eastern Isles.

| | |
|---|--------------|
| A. Hind legs spiny. - - - - - | armata. |
| B. Hind legs not spiny. | |
| a. First joint of the antennæ about twice the length of the second. - - - - - | laminifera. |
| b. First joint of the antennæ somewhat longer than the second. | |
| * Third joint of the antennæ reddish. - - - | polyacantha. |
| ** Third joint of the antennæ not reddish. | |
| † First joint of the antennæ nearly as long as the third. | |
| ‡ Head extending in front. | |
| § Femora not red at the base. | |
| × Membrane not white at the base. | |
| o Fore wings not nearly wholly membranous and pellucid. | |
| → Corium with a whitish streak. - - - | basalis. |
| →→ Corium with no whitish streak. - - - | Doreica. |
| oo Fore wings nearly wholly membranous and pellucid. | pallens. |
| ×× Membrane white at the base. - - - | parallela. |
| §§ Femora red at the base. - - - | bispiniceps. |
| ‡ Head not extending in front. - - - | parviceps. |
| †† First joint of the antennæ shorter than the third. - | microcera. |
| ††† First joint of the antennæ much shorter than the third. - - - - - | varia. |

9. CHIMIA ARMATA.

Form. *Picea*, postice *latescens*, subtus *nigra*; caput *antice longi-conicum*; antennæ *robustæ*, *pubescentes*, corporis *dimidio multo breviores*, articulo 2o *brevi*, 4o *clavato brevior*, 1o 3oque *longioribus*; prothorac carinis *duabus tuberculatis*, spinis *quatuor lateralibus*; scutellum *longitudinaliter et transverse carinatum*, abdomen *apice truncatum*, lateribus *spinosis*; pedes *pubescentes*, *robusti*, femoribus *quatuor posterioribus subius spinosis*; alæ *antice abdominis apicem fere attingentes*.

Female. Piceous, flat, widening hindward, black beneath. Head elongated and conical in front; the cone about one-fourth of the length of the first joint of the antennæ; antenniferous tubercles unarmed. Rostrum piceous. Antennæ stout, pubescent, much less than half the length of the

body; first joint nearly as long as the head; second about half the length of the first; third a little shorter than the first; fourth clavate, a little shorter than the second. Prothorax with two tuberculate longitudinal ridges; a short stout spine on each side near the fore border; by the hind border on each side a large stout acute spine, which is inclined forward and is obliquely ascending and diverging outward. Scutellum with two ridges, one longitudinal, the other transverse. Abdomen with four short spines on each side; a longer spine on each side at the tip, which is truncated. Legs pubescent, rather stout. Fore wings extending nearly to the tip of the abdomen; membrane with longitudinal veins, some of which are forked. Length of the body $5\frac{1}{2}$ lines.

α . Sumatra. From Sir Stamford Raffles' collection.

10. CRIMIA LAMINIFERA.

Mas. *Picea, bicarinata, postice latescens; caput cornu frontali porrecto lanceolato antice furcato, lateribus quadrispinosis; antennæ corporis dimidio vix breviores, articuli 2o 4oque subæqualibus hoc clavato, 1o 3oque longioribus; prothoracis lobus anticus lateribus anticis quadrispinosis, posticis lateribus bidentatis; scutellum nigrum, ferrugineo bistrigatum; abdomen ferrugineo biseriatim maculatum, subtus testaceum, lateribus spinosis, dentibus quatuor apiculibus duabus testaceis rotundatis duabus oblique truncatis, tibiæ rufescente fasciata; alæ anticæ abdominis apicem fere attingentes, corii striga furcata testacea, membrana cinerea albido reticulata.*

Male. Piceous, flat, widening hindward. Head forming in front a forked lanceolate horn, which is a little shorter than the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle, rather less than one-fourth of the length of the first joint of the antennæ; an obliquely retracted spine on each side behind the eye; two ridges which continue on the prothorax, where they diverge from the fore border to the hind border. Rostrum red. Antennæ nearly half the length of the body; first joint about twice the length of the second; third rather longer than the first; fourth clavate, about half the length of the third. Lobes of the prothorax dilated on each side; dilatation of the fore lobe with two stout spines, which incline obliquely forward, that of the hind lobe forming a rounded tooth, which is also inclined obliquely forward. Scutellum triangular, black, with two ferruginous streaks, which extend from the fore border to the middle. Disk of the pectus testaceous. Abdomen with ferruginous spots on each side above; under side testaceous; five short spines on each side; apical part on each side with two long broad obtuse teeth, of which the fore one is testaceous and rounded and the hind one obliquely truncated; a spine on each side of the tip, which is angular. Tibiæ with a reddish band before the middle. Fore wings extending nearly to the tip of the abdomen, corium with a forked testaceous apical streak; membrane cinereous, with irregularly reticulated whitish veins. Length of the body $5\frac{1}{2}$ lines.

α . New Guinea. Presented by W. W. Saunders, Esq.

11. CRIMIA POLYACANTHA.

Mas. *Picea*, bicarinatus, fere linearis, postice sublatescens; caput cornu frontali lanceolata porrecto antice furcato, lateribus bituberculatis et bispinosis; antennæ corporis dimidio æquilongæ, articulo 3o rufescente sat longo, 4o clavato basi rufescente, prothorax dilatatus, lobî antici lateribus quadrispinosis, scutellum marginatum, unicarinatum; abdomen plagis lateralibus ventrisque disco basi testaceis, lateribus spinosis; alæ anticæ abdominis apicem non attingentes, corii striga albida, membrana cinerea albido venosa.

Male. Piceous, flat, nearly linear, slightly widening hindward. Head forming in front a forked lanceolate horn, which is as long as the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle, about one-fourth of the length of the first joint of the antennæ; a tubercle on each side behind the eye; two ridges which continue on the prothorax, where they diverge from the fore border to the hind border. Rostrum reddish, shorter than the head. Antennæ almost half the length of the body; first and second joints with short hairs; first somewhat longer than the second, third reddish, much longer than the first, fourth clavate, reddish at the base, shorter than the second. Lobes of the prothorax dilated on each side; dilatation of the fore lobe with two stout spines, which incline obliquely forward; that of the hind lobe rounded. Scutellum elongated-triangular, with a keel and an elevated border. Abdomen with dingy testaceous patches on each side above and beneath, where the disk is also dingy testaceous towards the base; five spines on each side; apical part on each side with two broad teeth, of which the hind one is longer than the fore one; a stout spine on each side at the tip, which is truncated. Legs with short hairs. Wings not extending to the tip of the abdomen; corium with a whitish apical streak; membrane cinereous, with whitish veins. Length of the body $8\frac{1}{2}$ lines.

n. New Guinea. Presented by W. W. Saunders, Esq.

12. CRIMIA DOREICA.

Mas et fem. *Picea*, postice sublatescens; caput cornu frontali porrecto lanceolato furcato, lateribus bispinosis; antennæ breves, articulis 2o 4oque subæqualibus hoc clavato, 1o 3oque longioribus, prothorax lateribus dilatatis, antice quadrutuberculatus collo bispinoso; scutellum marginatum, carina antice furcata, pectus testaceo unistrigatum; abdomen apice truncatum et quadrispinosum, lateribus ex parte ventrisque disco testaceis; alæ anticæ abdominis apicem fere attingentes, membrana cinerea.

Male and female. Piceous, flat, slightly widening hindward. Head forming in front a forked lanceolate horn, which is as long as the first joint of the antennæ, each antenniferous tubercle with a broad acute spine, which extends obliquely forward and is a little shorter than the first joint of the antennæ. Rostrum tawny. Antennæ about one-fourth of the length of the body, first joint stouter than the others, much longer than the second, nearly as long as the third; fourth clavate, nearly as long as the second. Prothorax with four tubercles in front and with a little spine on each side of the neck; fore lobe and hind lobe widened on each side;

dilatation of the fore lobe larger than that of the hind lobe and forming two obtuse rounded angles. Scutellum triangular, with a keel which is forked in front and with elevated sides. Pectus with a testaceous streak near the hind border. Abdomen partly testaceous on each side; disk beneath testaceous; tip truncated, with two short stout spines on each side. Fore wings extending nearly to the tip of the abdomen; membrane cinereous, with piceous forked longitudinal veins. Length of the body $5\frac{1}{2}$ —6 lines.

- a. New Guinea. From Mr. Wallace's collection.
- b. New Guinea. Presented by W. W. Saunders, Esq.
- c. Aru. Presented by W. W. Saunders, Esq.
- d. Wagiau. Presented by W. W. Saunders, Esq.
- e. Ceram. Presented by W. W. Saunders, Esq.

13. CRIMIA BASALIS.

Mat. *Nigra, fere fusiformis; caput cornu frontali longi-quadrato antice inciso, spinis quatuor lateralibus; antennæ breves, articulis 1o 3oque æqualibus, 2o 4oque brevioribus, 4o fusiformi; prothorax postice rufescente piceo fasciatus, lateribus rotundatis; alæ anticæ abdominis apicem non attingentes, striga corii lata sordide albida, membrana cinerea.*

Male Black, flat, finely punctured, nearly fusiform. Head in front with an elongate-quadrate horn, which slightly exceeds in length the first joint of the antennæ and is notched at the tip; a spine on the outer side of the antenniferous tubercle, a very little spine behind each eye. Antennæ less than one-third of the length of the body; second joint a little shorter than the first and than the third; fourth fusiform, as long as the second. Prothorax a little narrower in front, slightly divided into two lobes; sides of the lobes rounded; a reddish piceous band along the hind border. Pectus smooth, shining. Fore wings extending to three-fourths of the length of the abdomen; a broad dingy whitish streak along the outer border of the corium; membrane cinereous. Length of the body $2\frac{1}{2}$ lines.

The frontal horn of this species is intermediate between that of *C. rufescens* and that of *C. subfurcata*, being at the tip broader than the former and narrower than the latter.

- a. Celebes. From Mr. Wallace's collection.

14. CRIMIA VARIA.

Picea, longi-ovalis; caput antice productum et bispinosum, spinis duabus lateralibus; antennæ breves, articulis 1o 2o 4oque subæqualibus, 1o crasso, 4o clavato, 3o longiore; prothoracis latera rotundata, lobus anticus lateribus unispinosus; scutellum unicarinatum; abdominis latera dilatata testaceo plagiata; pedes breviusculi, senioribus crassius subtus unispinosi, alæ anticæ abdominis apicem non attingentes, membrana diaphana.

Piceus, flat, elongate-oval, minutely punctured. Head elongated in front and terminating in two spines; a spine on the outer side of each

antenniferous tubercle. Antennæ about one-third of the length of the body; first joint thick; second almost as long as the first; third as long as the first and second together; fourth clavate, as long as the second. Prothorax with rounded sides, divided into two lobes by a strongly-marked transverse furrow; a spine on each side of the fore lobe. Scutellum with a keel. Abdomen with testaceous patches along each side. Legs rather short; femora thickened, each with a spine beneath. Fore wings extending to three-fourths of the length of the abdomen, which has a wide surface on each side of them. Membrane pellucid. Length of the body $3\frac{1}{2}$ lines.

a. Gilolo. Presented by W. W. Saunders, Esq.

15. CRIMIA PARALIELA.

Nigra, angusta, linearis; caput cornu frontali porrecto antice inciso, spinis quatuor lateralibus; antennæ brevissimæ, articulis 1o 3o 4oque fere aqualibus, 2o brevior, prothorax subquadratus, rugulosus; pedes breves, femoribus crassis; alæ anticæ abdominis apicem non attingentes, membrana nigricante basi alba.

Black, linear, flat, narrow, finely punctured. Head in front with a horn, which is slightly notched in the fore border and is longer than the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle and a smaller spine behind each eye. Antennæ stout, about one-sixth of the length of the body; second joint shorter than the others, which are nearly equal in length. Prothorax transverse, subquadrate, rugulose. Legs short, femora thickened. Fore wings extending to three-fourths of the length of the abdomen; membrane blackish, white at the base. Length of the body 3 lines.

a—f. Sarawak. From Mr. Wallace's collection.

16. CRIMIA PARVICEPS.

Picea, fere fusiformis; caput parvum, non productum, spinis duabus lateralibus, antennæ robustæ, breves articulis 2o 4oque aqualibus hoc clavato, 1o 3oque longioribus; prothorax sulco transverso bene determinato, loborum lateribus fere rectangulatis; abdominis margo dentatus, pedes graciles; alæ anticæ abdominis apicem fere attingentes, corii striga lata testacea, membrana diaphana.

Piceous, minutely punctured, rather flat, nearly fusiform. Head small, not extending in front of the base of the antennæ; a spine on the outer side of each antenniferous tubercle. Antennæ stout, less than one-third of the length of the body; second joint much shorter than the first and than the third; fourth clavate, as long as the second. Prothorax with a well-defined transverse furrow, and with two distinct lobes; sides of the lobes nearly rectangular. Abdomen dentate along each side and at the tip. Legs slender. Fore wings extending nearly to the tip of the abdomen; corium with a broad testaceous streak along the outer border; membrane pellucid. Length of the body 2 lines.

a. New Guinea. Presented by W. W. Saunders, Esq.

17. *CRIMIA BISPINICEPS*.

Man. *Picea, sat angusta, fere linearis, postice sublatescens; caput spinis duabus frontalibus porrectis acutis, lateribus bispinosis; antennæ corporis triente breviores, articulis 2o 4oque subæqualibus, 4o clavato, 1o 3oque longioribus, prothorax lateribus rotundatis, lobo postico rufescente, segmenta abdominalia angulis posticis acutis; femora subincrassata, basi rufa; alæ anticæ abdominis apicem non attingentes, membrana nigricantes.*

Male. Piceous, flat, finely punctured, rather narrow, nearly linear, slightly widening hindward. Head in front with two acute porrect spines, which are a little longer than the first joint of the antennæ; a minute spine on the outer side of each antenniferous tubercle. Antennæ less than one-third of the length of the body; second joint shorter than the first and than the third; fourth clavate, hardly longer than the second. Prothorax with a slight transverse furrow between the two lobes, which have rounded sides; hind lobe reddish. Scutellum triangular. Hind angles of the abdominal segments acute; two broad spines on each side near the tip, which has a smaller spine on each side. Legs moderately long; femora slightly thickened, red at the base; tarsi red. Fore wings extending to three-fourths of the length of the abdomen; membrane blackish. Length of the body 3—4 lines.

c—d. New Guinea. Presented by W. W. Saunders, Esq.

e. New Guinea. From Mr. Wallace's collection.

18. *CRIMIA PALLESCENS*.

Mos. *Fulva, angusta, postice lutescens; caput spinis duabus frontalibus porrectis spinisque quatuor lateralibus; antennæ breves, articulis 1o 3oque subæqualibus, 1o hirsuto valido, 2o brevior; prothorax antice paullo angustior, lobi antici lateribus tridentatis; segmentorum abdominalium angula postica producti; pedes breves, graciles; alæ anticæ abdominis apice non attingentes, omnino fere membranaceæ et diaphanæ.*

Male. Tawny, narrow, flat, minutely punctured, widening from the head to the tip of the abdomen. Head with two porrect spines between the antennæ, with a stout spine on the outer side of each antenniferous tubercle, and a little spine behind each eye. Antennæ about one-third of the length of the body; first joint minute, stout, a little more than twice the length of the intermediate spines; second much shorter than the first and than the third. Prothorax a little narrower in front, with two distinct lobes; fore lobe tridentate on each side. Hind angles of the apical abdominal segment elongated. Legs short, slender. Fore wings extending to three-fourths of the length of the abdomen, nearly wholly membranous and pellucid. Length of the body 3 lines.

a. Aru. Presented by W. W. Saunders, Esq.

19. CRIMIA MICROCERA.

Cinerea, ovalis; caput cornu frontalis porrecto antice inciso, spinis quatuor lateralibus; antennæ graciles, breves, articulus 2o 4oque æqualibus hoc piceo clavato, 1o 3oque longioribus; prothorax sextuberculatus, transverse sulcatus; pedes breves, graciles; alæ anticæ abdominis apicem fere attingentes, membrana diaphana.

Cinereous, flat, oval, minutely punctured. Head in front with a porrect horn, which is notched on the fore border and is as long as the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle, and a smaller one behind each eye. Antennæ slender, about one-fourth of the length of the body; second joint much shorter than the first; third longer than the first; fourth piceous, clavate, as long as the second. Prothorax short, with a transverse furrow; each lobe with three large tubercles; sides rounded. Legs short, slender. Fore wings extending nearly to the tip of the abdomen; membrane pellucid. Length of the body $2\frac{1}{2}$ lines.

a. New Guinea. Presented by W. W. Saunders, Esq.

Div. Anitus, Stal.

20. CRIMIA THORACOCERA.

Aradus thoracoceras, Mtrz. Ann. Soc. Agric. Lyon. vii. f. 107—lugubr Boisd.

Woodlark.

21. CRIMIA ARTENSIS.

Aradus Artensis, Mtrz. Ann. Soc. Agric. Lyon. vii. f. 107.

Art.

22. CRIMIA TAGALICA.

Arictus tagalicus, Stal, Ofv. K. Vet. Ak. Forh. 1870, 672.]

Philippine Isles.

23. CRIMIA LUGUBRIS.

Aradas lugubris, Boisd. Voy. de l'Astrolabe, Ins. pl. 11, f. 24.

Vanikoro.

Div. Artabanus.

Artabanus, Stal, Hem. Afr. iii. 31; Ofv. K. Vet. Ak. Forh. 1870, 672.

24. CRIMIA GENICULATA.

Artabanus geniculatus, Stal, Ofv. K. Vet. Ak. Forh. 1870, 673.

Philippine Isles.

Australia.

25. CRIMIA AUSTRALIS.

Mas. Nigra, fere fusiformis; caput cornu frontali longi-quadrato antice furcato, lateribus bispinosis, articulo 2o brevi, 4o fusiformi brevior, 1o 3oque longioribus; prothorax antice angustior et bituberculatus; alæ anticæ abdominis apicem non attingentes, membrana diaphana reticulata.

Male. Black, flat, minutely punctured, nearly fusiform. Head in front with an elongate-quadrate forked horn, which does not extend beyond the tip of the first joint of the antennæ; a minute spine behind each eye. Rostrum reddish, not resting in a furrow. Antennæ about one-fourth of the length of the body; first joint a little shorter than the head; second a little shorter than the first and than the third; fourth fusiform, shorter than the second. Prothorax with a very slight transverse furrow at a little in front of the middle, much narrower in front, where there is a slight tubercle on each side near the fore border. Scutellum triangular. Disk of the abdomen sometimes reddish beneath. Fore wings extending to a little beyond three-fourths of the length of the abdomen; membrane pellucid, with irregularly reticulated veins. Length of the body 4 lines.

a. Australia. Presented by the Entomological Club.

b. South Australia. Presented by R. Bakewell, Esq.

c. Queensland.

New Zealand.

26. CRIMIA ATTENUATA.

Mas. Nigra, angusta, linearis; caput antice conicum; antennæ brevissimæ, articulis 1o 2o 3oque æqualibus; prothorax antice angustior, lateribus subrotundatis; segmenta ventralia rufo marginata; alæ anticæ abdominis apicem non attingentes, membrana cinerea.

Male. Black, narrow, linear, minutely punctured. Head conical in front; the cone shorter than the first joint of the antennæ. Antennæ about one-fifth of the length of the body; first, second and third joints about equal in length. Prothorax narrower in front, with a slight transverse middle furrow; sides slightly rounded. Scutellum triangular. Hind borders of the ventral segments red. Fore wings extending to three-fourths of the length of the abdomen; membrane cinereous. Length of the body $4\frac{1}{2}$ lines.

The state of the specimens will not allow a complete description.

a, b. New Zealand. Presented by W. W. Saunders, Esq.

Genus 4. MEZIRA.

Mezira, Serv. Hist. Hem. 305. Fieb. Eur. Hem. 115.

Europe.

1. MEZIRA GRANULATA.

granulata, *Serv. Hist. Hem.* 306. *Fieb. Eur. Hem.* 116.
South France.

2. MEZIRA TREMULÆ.

Aradus Tremulæ, *Bütt. Germ. Faun. Eur.* 5, 21. *H.-Sch. Wanz. Ins.* viii. 121, pl. 287, f. 886—*Brachyrhynchus dilatatus*, *Klug, Burm. Handb. Ent.* ii. 255—*Mezira Tremulæ*, *Fieb. Eur. Hem.* 115.
Hungary. Livonia.

North America.

3. MEZIRA MOESTA.

moesta, *Stal, Stett. Ent. Zeit.* xxiii. 438.

Var.? *Fœm. Nigra, obscura, fere fusiformis; caput cornu frontali longi-quadrato antice inciso, spinis duabus lateralibus; antennæ breves, articulis 1o 2oque æqualibus, 3o paullo longiore; prothorax transverse subsulcatus.*

Female. Black, flat, dull, finely punctured, nearly fusiform. Head in front with an elongate-quadrate notched horn, which is as long as the first joint of the antennæ; antenniferous tubercle forming a stout spine on each outer side. Antennæ less than one-fourth of the length of the antennæ; second joint as long as the first, very little shorter than the third; fourth elliptical, as long as the second. Prothorax widening hindward, with a slight transverse middle furrow. Fore wings covering the disk of the abdomen, and not extending to its tip. Length of the body $3\frac{1}{2}$ —4 lines.

a. East Florida. Presented by E. Doubleday, Esq.

b—d. Oajaca, Mexico. From M. Sallé's collection.

e. South Mexico. From Mr. Janson's collection.

f, g. Columbia. From M. Goudot's collection.

Mexico.

4. MEZIRA LITIGIOSA.

litigiosa, *Stal, Stett. Ent. Zeit.* xxiii. 439.
Mexico.

5. MEZIRA OVATA.

ovata, *Stal, Stett. Ent. Zeit.* xxiii. 439.
Mexico.

South America.

6. MEZIRA FLAVICANS.

Brachyrhynchus flavicans, *Stal, Rio Jan. Hem.* 66.
Rio Janeiro.

7. MEZIRA TERGINA.

Brachyrhynchus terginus, *Stal, Rio Jan. Hem.* 66.
Rio Janeiro.

8. MEZIRA BIMACULATA.

Brachyrhynchus bimaculatus, *Stal, Rio Jan. Hem.* 66.
Rio Janeiro.

9. MEZIRA GRANULIGERA.

Brachyrhynchus granuliger, *Stal, Rio Jan. Hem.* 66.
Rio Janeiro.

10. MEZIRA CHILENSIS.

Brachyrhynchus chilensis, *Stal, Ofv. K. V. Ak. Forh.* xi. 236.
Chili.

11. MEZIRA AMERICANA.

Brachyrhynchus Americanus, *Spin. Faun. Chil.* 202, pl. 2, f. 11—*Mezira Americana*, *Sgnt. A. S. E. F. 4me Sér.* iii. 576.
Chili.

12. MEZIRA? PATAGONICA.

M. ? patagonica, *Stal, Eug. Resa*, 260.
Port Famine.

13. MEZIRA CIMICOIDES.

Picea, longi-ovalis; caput cornu frontali longi-quadrato antice furcato, spinis quatuor lateralibus; antennæ breves, articulis 1o 2oque subæqualibus, 3o longiore; prothoracis latera rotundata, lobus anticus angulis anticis sat prominulis; abdominis segmenta ferrugineo marginata; pedes breves, femoribus crassis; alæ anticæ abdominis apicem non attingentes, membrana cinerea.

Piceous, flat, elongate-oval, minutely punctured. Head in front with an elongate-quadrate horn, which is forked on the fore border; a spine on the outer side of each antenniferous tubercle and with another behind each

eye. Antennæ about one-fourth of the length of the body; first and second joints about equal in length; third longer. Prothorax divided into two equal lobes by a transverse furrow; sides rounded; fore angles rather prominent. Abdomen with a ferruginous band on the hind border of each segment. Legs short, femora thickened. Fore wings extending to three-fourths of the length of the abdomen, which extends broadly on each side of them; membrane cinereous. Length of the body $3\frac{1}{2}$ lines.

a. Brazil. Presented by W. W. Saunders, Esq.

South Africa:

14. MEZIRA CAFFRA.

Brachyrhynchus caffer, *Stal. Ofv. Vet. Ak. Forh.* 1855, 38—*Mezira caffa*, *Stal. Hem. Afr.* iii. 35.

a. Cape. Presented by M. A. Serville.

15. MEZIRA MORIO.

Brachyrhynchus morio, *Germ. Silb. Rev. Ent.* v. 134—*Mezira morio*, *Stal. Hem. Afr.* iii. 35.

Cape.

16. MEZIRA TENUICORNIS.

Aneuris tenuicornis, *Sgnt. A. S. E. F. 3me Sér.* viii. 958—*Mezira tenuicornis*, *Stal. Hem. Afr.* iii. 36.

Madagascar.

17. MEZIRA BILOBA.

Aneuris bilobus, *Sgnt. A. S. E. F. 3me Sér.* viii. 958—*Mezira biloba*, *Stal. Hem. Afr.* iii. 36.

Madagascar.

18. MEZIRA SUBFASCIATA.

MS. *Picea, opaca, subfusiformis, subtus ferruginea; capitis cornu frontale porrectum, antice incisum; antennarum articulo 1o longius; antennæ sint validæ, capite prothoraceque ad unum paullo breviores, articulo 3o longo, prothorax transverse subsulcatus, margine postico rufescente; alæ anticæ abdominis apicem fere attingentes, fascia basin versus albida, margine cinereo fusco-venoso.*

Male. Piceous, dull, flat, subfusiform, ferruginous beneath. Head with a frontal porrect cone, which is notched on the fore border and is longer than the first joint of the antennæ. Eyes slightly prominent. Rostrum not extending beyond the head. Antennæ rather stout, a little shorter than the head and the prothorax together; third joint longer than the others. Prothorax narrower in front, with hardly rounded sides and with a slight transverse middle furrow; hind border reddish. Legs piceous, short, rather stout. Fore wings extending nearly to the tip of the abdomen; membrane brown, with a cinereous brown-veined border and with a whitish band near the base. Length of the body 3 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Australasia.

19. MEZIRA LISUANA.

Lisuana, *Mtrz. A. S. E. F. 4me Sér. i. 69.*

Lisu.

20. MEZIRA MINIMA.

minima, *Mtrz. A. S. E. F. 4me Sér. i. 69.*

Art.

21. MEZIRA HUMILIS.

Picea, fere fusiformis; caput latum, lobis duobus anticis porrectis magnis rotundatis, spinis duabus lateralibus; antennæ brevissimæ, articulis 2o 4oque æqualibus, 1o brevior, 3o longior; prothorax subquadratus, non sulcatus, pedes breves, femoribus subincrassatis; alæ anticæ abdominis apicem non attingentes, striga corii albida, membrana cinerea.

Piceous, nearly fusiform, very flat, finely punctured. Head broad, forming in front of the base of the antennæ two rounded lobes, which are a little longer than the first joint of the latter; a spine on the outer side of each antenniferous tubercle. Antennæ rather stout, about one-sixth of the length of the body; second joint a little longer than the first, shorter than the third; fourth nearly fusiform, as long as the third. Prothorax subquadrate, a little narrower in front, slightly transverse; no transverse furrow. Legs short; femora slightly thickened. Fore wings extending to three-fourths of the length of the abdomen; a whitish streak along the outer side of the corium; membrane cinereous. Length of the body $2\frac{1}{2}$ lines.

2. New Guinea. From Mr. Wallace's collection.

22. MEZIRA TRICOLOR.

Ferruginea, ovalis; caput cornu frontali porrecto antico valde inciso, spinis duabus lateralibus; antennæ fulvæ, breves, articulis 1o 2o 4oque æqualibus, 4o piceo clavato, 3o longior; prothoracis lobus anticus bituberculatus, lateribus unidentatis; scutellum piceum, carinatum, abdomen amplum, segmentis testaceo marginatis, apice piceo; pedes graciles, breviusculi; alæ anticæ abdominis apicem non attingentes, membrana diaphana.

Ferruginous, oval, nearly flat, finely punctured. Head in front with a porrect horn, which is deeply notched on the fore border and is a little longer than the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle. Antennæ tawny, less than one-third of the length of the body; second joint as long as the first, much shorter than the third; fourth piceous, clavate, as long as the second. Prothorax narrower in front, fore lobe with a stout tooth on each side and with two intermediate tubercles. Scutellum piceous, keeled. Abdomen with a testaceous band on the hind border of each segment and with a piceous tip, extending

widely on each side beyond the fore wings. Legs slender, rather short, Fore wings extending to three-fourths of the abdomen; membrane pellucid. Length of the body $3\frac{1}{2}$ lines.

a. New Guinea. Presented by W. W. Saunders, Esq.

23. MEZIRA FERREA.

Mas. *Ferruginea, fere linearis, subtus rufa; caput cornu frontali porrecto conico subfurcato, antennae corporis dimidio breviores, articulis 1o 2o 3oque fere aequalibus, 4o clavato breviori apicem versus testaceo, prothorax antice quadricallus; scutellum marginatum; abdomen apice tumidum; alae antice abdominis apicem fere attingentes, membrana lurida.*

Male. Ferruginous, flat, nearly linear, red beneath. Head in front with a slightly forked cone, which is a little shorter than the first joint of the antennae; antenniferous tubercles unarmed; no furrow for the reception of the rostrum, which is red. Antennae somewhat less than half the length of the body; first, second and third joints nearly equal in length; fourth clavate, testaceous towards the tip, shorter than the third. Lobes of the prothorax rounded, not dilated on each side; fore lobe forming four compartments or calli. Scutellum triangular, with elevated sides. Abdomen tumid at the tip. Fore wings extending nearly to the tip of the abdomen; membrane lurid, with numerous longitudinal veins. Length of the body 5 lines.

a. Sarawak. Presented by W. W. Saunders, Esq.

24. MEZIRA SUBFURCATA.

Mas. *Nigra, fere fusiformis; caput cornu frontali porrecto antice bilobato, lateribus quadrispinosis; antennae breves, articulis 1o 2o 4oque aequalibus 4o fusiformi, 3o longiore; prothorax vix bilobatus, lateribus postice convexis antice subconcavis; pedes brevissimi, obscure rufi, femoribus nigris rubincrassatis; alae antice abdominis apicem non attingentes, plaga corii albida, membrana nigricante.*

Male. Black, flat, finely punctured, nearly fusiform. Head in front with an elongate-quadrate horn, which rather exceeds in length the first joint of the antennae and forms two rounded lobes at the tip; a spine on the outer side of each antenniferous tubercle and another behind each eye. Antennae nearly one-fourth of the length of the body; second joint as long as the first, shorter than the third; fourth nearly fusiform, as long as the second. Prothorax narrower in front, hardly forming two lobes; sides convex in the hind part, slightly concave in front. Legs dark red, very short; femora black, slightly thickened. Fore wings extending to two-thirds of the length of the abdomen; corium with a whitish patch along the outer border; membrane blackish. Length of the body $3\frac{1}{2}$ lines.

a. Arn. Presented by W. W. Saunders, Esq.

Australia.

25. MEZIRA PROXIMA.

Mas et fœm. *Nigra, fere fusiformis; caput cornu frontali porrecto quadrato furcato; antennæ piceæ, brevissimæ, articulis 2o 3oque æqualibus, 1o 4oque brevioribus hoc fusiformi; prothorax rufescens fasciatus, pectus margine antico vittaque luteis, abdomen rufescens, subtus lutescens; pedes rufescentes; alæ anticæ abdominis apicem non attingentes, corio parvo, membrana diaphana.*

Male and female. Black, flat, minutely punctured, nearly fusiform. Head in front with a quadrate forked horn, which is a little longer than the first joint of the antennæ. Rostrum not extending beyond the head. Antennæ piceous, about one-fifth of the length of the body; second joint much longer than the first; third as long as the second; fourth fusiform, much shorter than the third. Prothorax narrower in front, with a slight transverse furrow at a little in front of the middle; sides slightly rounded; a reddish band on the hind border. Scutellum triangular. Pectus with a luteous fore border and with a luteous stripe which does not extend to the fore border. Abdomen reddish above, with a smooth shining paler red disk, luteous beneath. Legs reddish. Fore wings extending to about three-fourths of the length of the abdomen; corium small; membrane pellucid. Length of the body 4 lines.

α—h. King George's Sound, Australia. Presented by Sir G. Grey.

26. MEZIRA LEUCOTELUS.

Mas. *Picea, fusiformis; caput antice conicum, lateribus bispinosis; antennæ breves, articulo 2o longo, 1o 3oque brevioribus, 4o albo apice nigro; prothorax sexcarinatus, lateribus rotundatis; pedes breves, graciles; alæ anticæ abdominis apicem fere attingentes, membrana cinerea.*

Male. Piceous, flat, fusiform, minutely punctured. Head conical in front; the cone about twice the length of the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle. Eyes very prominent. Rostrum extending to the prepectus. Antennæ about one-fourth of the length of the body; second joint more than twice the length of the first; third much shorter than the second; fourth white, black at the tip, shorter than the third. Prothorax a little narrower in front, with six keels and with no transverse furrow; sides rounded. Legs short, slender. Fore wings extending nearly to the tip of the abdomen; membrane cinereous. Length of the body $2\frac{1}{4}$ lines.

α. Adelaide. Presented by the Entomological Club.

27. MEZIRA ALBICORNIS.

Picea, fusiformis; caput cornu frontali conico porrecto antice inciso, spinis duabus lateralibus; antennæ breves, articulo 2o albo apice nigro, 3o albo, 4o basi albo; prothorax sexcarinatus, lateribus rotundatis antice tridentatis; scutellum marginatum, unicarinatum, pedes breves, graciles; alæ anticæ abdominis apicem attingentes, membrana cinerea fusco guttata.

Piceous, flat, fusiform, minutely punctured. Head conical in front; cone notched on the fore border, about twice the length of the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle. Eyes prominent. Rostrum extending to the propectus. Antennæ less than one-fourth of the length of the body; second joint white, with a black tip, about twice the length of the first; third wholly white, much shorter than the second, fourth white at the base, a little shorter than the third. Prothorax with six keels, sides rounded hindward, tridentate in front. Scutellum with a keel and with elevated sides. Legs short, slender. Fore wings extending to the tip of the abdomen; corium with a longitudinal middle vein, seven areolets between this vein and the costa, and three between it and the hind border; membrane cinereous, with many brown dots. Length of the body $1\frac{1}{2}$ line.

a. Tasmania. From Mr. Smith's collection.

New Zealand.

28. MEZIRA MAORICA.

Mas et sœm. Nigra, angusta, fere linearis; caput parvum, antice conicum; antennæ brevissimæ, articulis 2o 3oque aequalibus, 4o fusiformi brevior, 1o adhuc brevior; prothorax transverse sulcatus, antice angustior; segmenta ventralia fulvo marginata; pedes breves; alæ antice abdominis apicem non attingentes, corio parvo, membrana diaphana.

Male and female. Black, flat, punctured, narrow, nearly linear. Head small, conical in front; the cone longer than the first joint of the antennæ. Rostrum not longer than the head. Antennæ about one-fifth of the length of the body; second joint much longer than the first; third as long as the second; fourth fusiform, a little shorter than the third. Prothorax transverse in front, with a broad shallow transverse furrow at a little in front of the middle; sides straight. Scutellum triangular. Hind borders of the ventral segments tawny. Legs short, moderately stout. Fore wings extending to about three-fourths of the length of the abdomen; corium small, membrane pellucid. Length of the body 4 lines.

a—A. New Zealand. Presented by Capt. Lort Stokes.

Genus 5. ANEURUS.

Aneurus, Curt. Brit. Ent. 86. De Lap. Hem. 54. Burm. Handb. Ent. ii. 253. Fieb. Eur. Hem. 116.

Europe.

1. ANEURUS LEVIS.

Aradus lævis, Fabr. Syst. Rhyn. 119, 2. Fall. Hem. Suec. 140—*Aneurus lævis*, Curt. Brit. Ent. pl. 86. De Lap. Hem. pl. 54, f. 2. H.-Sch. Wanz. Ins. ix. 141, pl. 310, f. 951. Burm. Handb. Ent. ii. 253. Serv. Hist. Hem. 307. Kol. Mel. Ent. vi. 25. Flor. Rhyn. Liv i. 307. Fieb. Eur. Hem. 116. Dougl. and Scott, Hem. 268—*Aradus*

avenius, *L.-Duf. Hem.* pl. 4, f. 36—*Brachyrhynchus lævis*, *Brullé, Hist. Nat. Ins.* 335. *Blanch Hist. Nat. Ins.* iii. 111.

a—j. England.

k, l. England. Presented by F. Walker, Esq.

m. Geneva. Presented by M. Goureau.

North America.

2. ANEURUS SEPTENTRIONALIS.

Mac. *Niger, subtus rufus; caput antice conicum, rufum; antennæ breves, articulus 1o 2oque æqualibus, 3o longiore, 4o adhuc longiore; prothorax transverse bicallus; abdomen rufum; alæ anticæ cinereæ, abdominis apicem fere attingentes.*

Male. Black, flat, dull, finely punctured, red beneath. Head dark red and conical in front; the cone as long as the first joint of the antennæ, less than one-fourth of the length of the body; first and second joints about equal in length; third longer than the second; fourth longer than the third. Prothorax with a transverse callus on each side at a little before the middle; sides rounded. Abdomen and legs red, the latter slender. Fore wings cinereous, extending nearly to the tip of the abdomen. Length of the body $2\frac{1}{2}$ lines.

a, b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr Barnston.

c. Nova Scotia. From Lieut. Redman's collection.

3. ANEURUS POLITUS.

politus, Say, Works, ed. Leconte, ii. 354.

Florida.

South America.

4. ANEURUS SUBDIPTERUS.

subdipterus, Klug, Burm. Handb. Ent. ii. 254.

Cassapava.

Genus 6. ARADUS.

Aradus, Fabr. Syst. Rhyn. 119. *Burm. Handb. Ent. ii. 255. Serv. Hist. Hem.* 307. *Fieb. Eur. Hem.* 110.

Europe, West Asia and North Africa.

Div.

1. ARADUS BETULÆ.

Cimex Betulæ, Linn. Syst. Nat. i. 2718; Faun. Succ. 918. *Deg. Ins.* iii. 305, pl. 15, f. 16, 17—*Aradus Betulæ, Fabr. Syst. Rhyn.* 119. *Latr. Gen.* iii. 141. *Fall. Hem. Succ.* 136. *Sahlb. Geoc. Fen.* 138. *Burm. Handb. Ent. ii. 255. Brullé, Hist. Nat. Ins. ix. 335. Blanch.*

Hist. Nat. Ins. iii. 111. *H.-Sch. Wanz. Ins.* v. 89, pl. 175, f. 537.
Serv. Hist. Hem. 308. *Fieb. Eur. Hem.* 114—*Aradus ellipticus*,
L.-Duf. Ann. Soc. Ent. ii. 453, pl. 10, f. 5, 6—*Acanthia corticalis*,
Wolff, Icon. Cim. 87, pl. 9, f. 81.

a—j. England.

k. England. Presented by F. Walker, Esq.

l. Switzerland. Presented by F. Walker, Esq.

m. Geneva. Presented by M. Goureau.

n. Germany. Presented by Dr. Hoffmeister.

2. ARADUS CORTICALIS.

Cimex corticalis, *Linn. Syst. Nat.* 2718; *Faun. Suec.* 917. *Schæff. Icon. Rat.* pl. 41, f. 6, 7—*Acanthia corticalis*, *Fabr. Ent. Syst.* iv. 72. *Wolff, Icon. Cim.* 87, pl. 9, f. 81—*Aradus corticalis*, *Fabr. Syst. Rhyn.* 119. *Curt. Brit. Ent.* v. pl. 930. *Full. Hem. Suec.* 136. *Zett. Ins. Lapp.* 270. *Sahlb. Geoc. Fen.* 142. *Flor, Rhyn. Liv.* i. 388. *Fieb. Eur. Hem.* 112. *Dougl. and Scott, Hem.* 272—*Aradus complanatus*, *Burm. Handb. Ent.* ii. 256. *H.-Sch. Wanz. Ins.* v. 95, pl. 176, f. 544.

a—f. England.

g, h. Scotland. Presented by E. Doubleday, Esq.

i. Europe. From Mr. Children's collection.

3. ARADUS ANNULICORNIS.

annulicornis, *Fabr. Syst. Rhyn.* 118. *Sahlb. Geoc. Fen.* 140. *Fieb. Eur. Hem.* 113.

Germany. Sweden.

4. ARADUS VERSICOLORE.

versicolor, *H.-Sch. Wanz. Ins.* v. 23, pl. 176, f. 541. *Fieb. Eur. Hem.* 110.

Europe.

5. ARADUS DISTINCTUS.

distinctus, *Fieb. Eur. Hem.* 111.

Germany.

6. ARADUS CINNAMOMEUS.

cinnamomeus, *Panz Faun. Germ.* 100, 20. *Fieb. Eur. Hem.* 111—*albo-punctatus*, *Scholtz. Arb. Ver.* 1846, 12—*leptopterus*, *Germ. Faun. Eur.* 178. *H.-Sch. Wanz. Ins.* v. 91, pl. 175, f. 539—*Perrisi*, *L.-Duf. A. S. E. F.* iii. 225, pl. 3, No. 3.

Europe.

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15. ARADUS CRENATICOLLIS.

crenaticollis, *Sahlb. Geoc. Fen.* 139. *Fieb. Eur. Hem.* 113.
Germany. Finland.

16. ARADUS CRASSICORNIS.

crassicornis, *Boh. Nya, Sp.* 37—*Aradus?* *crassicornis*, *Fieb. Eur. Hem.* 113.
Germany. Sweden.

17. ARADUS ANNULICORNIS.

annulicornis, *Fabr. Syst. Rhyn.* 118. *Sahlb. Geoc. Fen.* 140. *Fieb. Eur. Hem.* 113.
North Europe.

18. ARADUS LUGUBRIS.

lugubris, *Fall. Hem. Suec.* 139. *H.-Sch. Wanz. Ins.* viii. 115, pl. 288, f. 888. *Sahlb. Geoc. Fen.* 142. *Fieb. Eur. Hem.* 114—*Gebleri*, *Kol. Mel. Sp.* 226.
North Europe.
a. ———? From Mr. Children's collection.

19. ARADUS VARIUS.

varius, *Fabr. Syst. Rhyn.* 120. *Fall. Hem. Suec.* 138. *Sahlb. Geoc. Fen.* 139. *Fieb. Eur. Hem.* 114.
a. Europe. From Mr. Children's collection.

20. ARADUS CAUCASICUS.

Caucasicus, *Kol. Mel. Sp.* 221. *Fieb. Eur. Hem.* 114—*pictus?* *Bär. Berl. Ent. Zeit.* iii. 338, pl. 6, f. 12.
Caucasus. Parnassus?

21. ARADUS ATERRIMUS.

aeterrimus, *Fieb. Wien. Ent. Mon.* viii. 210. *Dougl. and Scott, Hem.* 274.
England.

22. ARADUS BREVICOLLIS.

brevicollis, *Fall.*
Sweden.
a. ———?

23. ARADUS WAGNERI.

Wagneri, *Jackowlew, Arbeiten Univ. Kasan*, 1864, 113.
Kasan.

Fieber notices the above species and the three following as uncertain species:—*tristis*, *H.-Sch.* *dissimilis*, *Costa.* *Lucasii*, *Costa.*

24. ARADUS GENEONYMUS.

geneonymus, *Garbiglietti, Bull. Soc. Ent. Ital.* i. 276.
Sardinia.

25. ARADUS PYGMÆUS.

pygmæus, *Garbiglietti, Bull. Soc. Ent. Ital.* i. 276.
Sardinia.

Div. 2.

Stenopterus, *Sgnt. A. S. E. F. 4me Sér.* v. 120.

26. ARADUS PERRISI.

Stenopterus Perrisi, *Sgnt. A. S. E. F. 4me Sér.* v. 120.
Algeria.

North America.

27. ARADUS AMERICANUS.

Americanus, *H.-Sch. Wanz. Ins.* viii. 115, pl. 288, f. 889.
a, b. Trenton Falls, New York. Presented by E. Doubleday, Esq.
c. Illinois. Presented by E. Doubleday, Esq.
d. ———? From Mr. Children's collection.

28. ARADUS ÆQUALIS.

æqualis, *Say, Works, ed. Leconte*, ii. 352.
a—c. Erie. Presented by E. Doubleday, Esq.

29. ARADUS FUSCOMACULATUS.

fuscomaculatus, *Stal, Eug. Resa*, 260.
California.

30. ARADUS CRENATUS.

crenatus, *Say, Works, ed. Leconte*, ii. 350.
United States.

31. ARADUS ACUTUS.

acutus, Say, *Works*, ed. Leconte, ii. 351.

Indiana. Florida.

32. ARADUS SIMILIS.

similis, Say, *Works*, ed. Leconte, ii. 351.

United States.

33. ARADUS RECTUS.

rectus, Say, *Works*, ed. Leconte, ii. 352.

Missouri. Florida.

34. ARADUS ORNATUS.

ornatus, Say, *Works*, ed. Leconte, ii. 352.

Indiana.

35. ARADUS GRANULATUS.

granulatus, Say, *Works*, ed. Leconte, ii. 353.

Florida.

36. ARADUS LOBATUS.

lobatus, Say, *Works*, ed. Leconte, ii. 354.

Indiana.

37. ARADUS PROBOSCIDEUS.

Mac. *Piceus*, fusiformis, subtus fulvus; caput cornu porrecto frontali longi-quadrato antice inciso rostrum coxas anticas superans; antennæ breves, articulo 2o 3o 4oque ad unum vix brevius; prothorax bicarinatus, postice testaceus, lateribus dilatatis; segmentorum abdominalium margines postici testacei; pedes fulvi; alæ anticæ pallido venosæ, membrana cinerea.

Male. Piceous, flat, finely punctured, pear-shaped, tawny beneath. Head with a porrect elongate-quadrate frontal horn, which is cleft on the fore border and is much longer than the first joint of the antennæ. Eyes very prominent. Rostrum extending beyond the fore coxæ. Antennæ nearly one-third of the length of the body; first joint very short, second nearly as long as the third and fourth together; fourth a little shorter than the third. Prothorax with two parallel keels, testaceous towards the hind border, rounded, and much dilated on each side. Abdomen widened somewhat beyond the fore wings on each side; hind borders of the segments testaceous. Legs tawny, slender. Fore wings with pale veins, extending nearly to the tip of the abdomen; veins pale; membrane cinereous. Length of the body 4 lines.

s. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

38. ARADUS CALIGINOSUS.

Fœm. Piceus, fere ellipticus; caput cornu frontali porrecto, spinis duabus lateralibus validis; antennæ corpore quadruplo breviores, articulo 2o 1o triplo longiore, 4o fusiformi; prothorax quadricarinatus, lateribus reflexis subdilatis; abdomen lobis duobus apicalibus rotundatis; alæ anticae abdominis apicem fere attingentes, membrana nigricante venis cinereo marginatis.

Female. Piceous, flat, minutely punctured, nearly elliptical. Head with a perfect frontal cone, which is much longer than the first joint of the antennæ; a stout spine on the outer side of each antenniferous tubercle. Eyes very prominent. Rostrum extending to the propectus. Antennæ about one-fourth of the length of the body; first joint about one-third of the length of the second, which is clavate; third about half the length of the second, fourth fusiform, much shorter than the third. Prothorax narrower in front, with four parallel keels, sides reflexed, slightly dilated. Abdomen with rounded sides and with two apical rounded lobes. Legs slender. Fore wings extending nearly to the tip of the abdomen; membrane blackish, with cinereous-bordered veins. Length of the body 3—3½ lines.

a—e. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

39. ARADUS FASCICORNIS.

Mas. Piceus, longi-ovalis, subtus ferrugineus, spinis duabus lateralibus; antennæ fulvæ, corporis tridente breviores, articulo 2o 1o plus duplo longiore, 3o apicem versus testaceo, 4o piceo fusiformi; prothorax sexcarinatus, lateribus rotundatis reflexis; pedes fulvi; alæ anticae abdominis apicem non attingentes, membrana diaphana.

Male. Piceous, ferruginous beneath, flat, minutely punctured, elongate-oval. Head with a perfect frontal cone, which is twice the length of the first joint of the antennæ; a spine on the outer side of each antenniferous tubercle. Eyes very prominent. Rostrum extending to the propectus. Antennæ tawny, less than one-third of the length of the body; second joint more than twice the length of the first; third about half the length of the second, testaceous towards the tip; fourth piceous, fusiform, nearly as long as the third. Prothorax narrower in front, with six parallel keels, the most outward pair abbreviated in front, sides rounded and reflexed. Scutellum with reflexed sides. Legs tawny, slender. Fore wings extending to three-fourths of the length of the abdomen; corium with two elevated veins; membrane pellucid. Length of the body 3 lines.

a—d. Nova Scotia. From Lieut. Redman's collection.

40. ARADUS FENESTRATUS.

Mas. Niger, fusiformis; caput cornu frontali porrecto sat longo apice rotundato, spinis duabus lateralibus validis; antennæ corpore plus quadruplo breviores, articulo 2o 1o triplo longiore, 4o fulvo fusiformi;

prothorax ses carinatus, lateribus subreflexis; scutelli discus convexus; ala antice abdominis apicem attingentes, membrana cinerea fusco guttata.

fenestratus, Barnston, MSS.

Male. Black, fusiform, flat, minutely punctured. Head with a porrect frontal cone, which is more than twice the length of the first joint of the antennæ; a stout spine on the outer side of each antenniferous tubercle. Eyes slightly prominent. Rostrum extending to the propectus. Antennæ less than one-fourth of the length of the body; second joint about thrice the length of the first; third a little more than half the length of the second; fourth fusiform, tawny, shorter than the third. Prothorax narrower in front, with six parallel strongly-marked keels, the most outward pair abbreviated in front; sides slightly reflexed. Scutellum with a convex disk and with slightly elevated sides. Legs slender. Fore wings extending to the tip of the abdomen; corium piceous, with black veins; membrane cinereous, with many brown dots. Length of the body $2\frac{1}{2}$ lines.

a—d. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

e, f. Rocky Mountains. Presented by the Earl of Derby in 1847.

g—k. Nova Scotia. From Lieut. Redman's collection.

Mexico and South America.

41. ARADUS EMARGINATUS.

emarginatus, Say, Works, ed. Leconte, ii. 354.

Mexico.

42. ARADUS FALLENI.

Falleini, Stål, Rio Jan. Hem. 68.

Rio Janeiro.

43. ARADUS ANGUSTELLUS.

Brachyrhynchus angustellus, Blanch. Faun. Chil. 205—Aradus angustellus, Sgnt. A. S. E. F. 4me Sér, iii. 576.

Chili.

Div. 2.

Epiestocoris, Blanch. Faun. Chil. 228. Sgnt. A. S. E. F. 4me Sér. iii. 577.

44. ARADUS CASTANEUS.

Epiestocoris castaneus, Blanch. Faun. Chil. 233, pl. 2, f. 13. Sgnt. A. S. E. F. 4me Sér. iii. 577.

Chili.

Div. 3.

Neurocterus, Fieb.

45. ARADUS BRASILIENSIS.

Neurocterus Brasiliensis, Mayr. Verh. Zool. Bot. Ges. Wien. xvi. 365.

Brazil.

Div. 5.

Alyattes, *Stal*, *Hem. Afr.* iii. 30.

46. *ARADUS LANCEOLATUS*.

Aradus lanceolatus, *Fabr. Syst. Rhyn.* 118—*Alyattes lanceolatus*, *Stal*, *Hem. Fabr.* i. 94.

South America.

47. *ARADUS EXIMIUS*.

Alyattes eximius, *Haglund, Stett. Ent. Zeit.* xxix. 163.

Amazon Region.

Div. 6.

Hesus, *Stal, Stett. Ent. Zeit.* xxiii. 437.

48. *ARADUS ANNULIGER*.

Hesus annuliger, *Stal, Stett. Ent. Zeit.* xxiii. 438.

Mexico.

49. *ARADUS CRENULATUS*.

crenulatus, *Stal, Stett. Ent. Zeit.* xxiii. 437.

Mexico.

50. *ARADUS EMARGINATUS*.

emarginatus, *Stal, Stett. Ent. Zeit.* xxiii. 437.

Mexico.

51. *ARADUS CORDATUS*.

Aradus cordatus, *Fabr. Syst. Rhyn.* 117—*Hesus cordatus*, *Stal, Hem. Fabr.* i. 95.

South America.

52. *ARADUS PUBESCENS*.

Fœm. *Piceus*, pilosus, longi-ovalis; capitis cornu frontale parvum porrectum; antennæ subclavata, capite prothoraceque ad unum paullo breviores, articulo 4o longi-fusiformi 3o paullo longiore, prothorax postice utrinque tumidus, sulco transverso antico bene determinato; pedes breviusculi, sat graciles; alæ anticæ abdominis apicem attingentes, membrana fusca.

Female. Piceous, elongate-oval. Head above and prothorax hairy. Head with a small porrect cone, which is shorter than the antenniferous tubercles. Eyes slightly prominent. Rostrum extending to the propectus. Antennæ subclavate, a little shorter than the head and the prothorax together; first and fourth joints stouter than the second and third; second

shorter than the first and than the third; fourth elongate-fusiform, a little longer than the third. Prothorax narrower in front, tumid on each side hindward, with a well-defined transverse furrow near the fore border; sides rounded. Legs rather short and slender. Fore wings extending to the tip of the abdomen; membrane brown. Length of the body $2\frac{1}{2}$ lines.

a. Para. From Mr. Wallace's collection.

53. ARADUS ACUMINATUS.

Aradus acuminatus, Fabr. Syst. Rhyn. 95—*Heaus acuminatus*, Stal, Hem. Fabr. i. 95.

South America.

Africa.

54. ARADUS FLAVICORNIS.

Flavicornis, Dalm. Anal. Ent. 88. Stal, Hem. Afr. iii. 37.

Sierra Leone. Caffraria.

South Asia.

55. ARADUS TRUNCATUS.

Mas et scem. Nigra, fere elliptica; caput breve, latum, antice bilobatum, lateribus hispinosis, antennae breves, articulo 4o fusiformi; prothorax carinis duabus lateralibus furcatis, carinula postica transversa; alae anticae abdominis apicem fere attingentes, membrana cinerea.

Male and female. Black, rather flat, nearly elliptical. Head short, broad, forming in front two short quadrate lobes; a porrect short stout spine on each side before the eye. Rostrum extending to the hind coxae. Antennae about one-third of the length of the body; first joint as long as the quadrate lobe; second about twice the length of the first; third much shorter than the second; fourth fusiform, a little shorter than the third. Prothorax with two shallow forked longitudinal ridges, and with a slight transverse ridge near the hind border. Scutellum elongate-triangular, convex in front and with a slight keel in the hind part. Fore wings extending nearly to the tip of the abdomen; corium extending almost to the tip of the scutellum; membrane cinereous, with irregular veins. Length of the body 4 lines.

a. Penang. Presented by J. C. Bowring, Esq.

Var. ♀ Brown.

b. Sarawak. Presented by W. W. Saunders, Esq.

c. Gilo. Presented by W. W. Saunders, Esq.

Eastern Isles.

Div. Neuroctenus.

56. ARADUS SERRULATUS.

Neuroctenus serrulatus, Stal, Ofv. K. Vet. Ak. Forh. 1870, 674.

Philippine Isles.

57. ARADUS MAYRI.

Neuroctenus Mayri, *Stal, Ofv. K. Vet. Ak. Fork.* 1870, 674.
Philippine Isles.

New Zealand.

58. ARADUS HOCHSTETTERI.

Neuroctonus Hochstetteri, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xvi. 365;
Reise Novara, Zool. ii. Hem. 166.
New Zealand.

59. ARADUS THORACICUS.

thoracicus, *White, Zool. Voy. Erebus and Terror.*
a, b. New Zealand. Presented by Sir J. C. Ross.

Country unknown.

60. ARADUS LEUCOSTOMUS.

leucostomus, *Costa, Ann. Mus. Zool. Nap.* ii. 143, pl. 2, f. 2.

Genus 7. PIESTOSOMA.

Piestosoma, *De Lap. Hem.* 53. *Serv. Hist. Hem.* 309.

1. PIESTOSOMA DEPRESSA.

Coreus spiniger, *Schell. Cim.* pl. 5, f. 2—*Aradus depressus*, *Fabr. Syst. Rhyn.* 119. *Latr. Gen.* iii. 141. *Burm. Handb. Ent.* ii. 256. *Brullé, Hist. Nat. Ins.* ix. 336. *Blanch. Hist. Nat. Ins.* iii. 111. *H.-Sch. Wanz. Ins.* v. 93, pl. 166, f. 542. *Fieb. Eur. Hem.* 112. *Dougl. and Scott, Hem.* 271—*Acanthia depressa*, *Wolff, Icon. Cim.* 129, pl. 13, f. 123—*Piestosoma depressa*, *De Lap. Hem.* 53. *Serv. Hist. Hem.* 309.

a—i. England.

2. PIESTOSOMA LEPTOPTERA.

Aradus leptopterus, *Germ. Burm. Handb. Ent.* ii. 257.
Germany.

Genus 8. APHLEBODERRHIS.

Aphleboderrhis, *Stal, Rio Jan. Hem.* 67.

1. APHLEBODERRHIS PILOSA.

pilosa, *Stal, Rio Jan. Hem.* 67.
Rio Janeiro.

Genus 9. ARTAGERUS.

Artagerus, *Stal*, *Rio Jan. Hem.* 67.

1. ARTAGERUS CRISPATUS.

crispatus, *Stal*, *Rio Jan. Hem.* 67.

Rio Janeiro.

2. ARTAGERUS HISTRICUS.

histricus, *Stal*, *Stett. Ent. Zeit.* xxiii. 438.

Mexico.

Genus 10. CALISIUS.

Calisius, *Stal*, *Rio Jan. Hem.* 67.

1. CALISIUS PALLIPES.

pallipes, *Stal*, *Rio Jan. Hem.* 68.

Rio Janeiro.

Genus 11. MELANOSTERPHUS.

Melanosterphus, *Stal*, *Hem. Fabr.* i. 97.

1. MELANOSTERPHUS SPINOSUS.

Aradus spinosus, *Fabr. Syst. Rhyn.* 119—*Melanosterphus spinosus*, *Stal*,
Hem. Fabr. i. 97.

South America.

Genus 12. ARADOSYRTIS.

Aradosyrtis, *Costa*, *Ann. Mus. Zool. Nap.* ii. 132.

1. ARADOSYRTIS GHILIANI.

Ghigliani, *Costa*, *Ann. Mus. Zool. Nap.* ii. 133, pl. 1, f. 6.

Genus 13. ARADACANTHIA.

Aradacanthia, *Costa*, *Ann. Mus. Zool. Nap.* ii. 142—*Calisius*, *Stal*.

1. ARADACANTHIA MULTICALCARATA.

multicalcarata, *Costa*, *Ann. Mus. Zool. Nap.* ii. 142, pl. 2, f. 3.

a. Siam. Presented by W. W. Saunders, Esq.

b. Sarawak. Presented by W. W. Saunders, Esq.

Genus 14. ELASMODEMA.

Elasmodema, *Stal*, *Rio Jan. Hem.* 68.

1. ELASMODEMA ERICHSONI.

Erichsoni, *Stal*, *Rio Jan. Hem.* 68.

Rio Janeiro.

This and the following genus are perhaps more allied to the *Nudirostra* than to the *Corticolæ*, and may form a family of the former when a few more forms to be associated with them are known.

Genus 15. ISODERMUS.

Isodermus, *Erichs. Arch. Naturg.* viii. 281.

1. ISODERMUS PLANUS.

planus, *Erichs. Arch. Naturg.* viii. 282, pl. 5, f. 9.

Tasmania.

a, b. South Australia. Presented by R. Bakewell, Esq.

c. South Australia. From Mr. Stevens' collection.

2. ISODERMUS VACILLANS.

Mas. *Fulvus, nitens, transverse et subtilissime rugulosus, postice latescens; caput parvum, cornu frontali porrecto lanceolato; antennæ breves, articulo 2o 1o plus duplo longiore; prothorax fascia postica pallidiore, lateribus subrotundatis; pedes breves, femoribus robustis; alæ anticæ abdominis apicem non attingentes, corio parvo, membrana nigricante.*

Male. Tawny, flat, shining, transversely and very finely rugulose, widening from the head to near the tip of the abdomen, which is rounded. Head small; a lanceolate horn in front, longer than the first joint of the antennæ. Eyes not prominent. Rostrum as long as the head. Antennæ less than one-third of the length of the body; second joint more than twice the length of the first. Prothorax with a paler band near the hind border, narrower in front; sides slightly rounded. Legs short; femora stout. Fore wings extending to three-fourths of the length of the abdomen; corium small; membrane blackish. Length of the body $2\frac{1}{2}$ lines.

a. Tasmania. Presented by the Entomological Club.

Fam. ACANTHIDÆ.

Acanthidæ, *Serv. Hist. Hem.* 310—*Acanthiadæ*, *Fieb. Eur. Hem.* 135.

Genus 1. ACANTHIA.

Acanthia, *Fabr. Ent. Syst.* iv. 67. *Burm. Handb. Ent.* ii. 252. *Serv. Hist. Hem.* 313. *Fieb. Eur. Hem.* 135.

Europe.

1. ACANTHIA LECTULARIA.

——, *Geoffr. Ins.* i. 434. *Deg. Ins.* iii. 195, pl. 17, f. 9—14. *Stoll, Cim.* ii. pl. 19, f. 131. *Goeze, Beitr.* vi. 180—*Cimex lectularius*, *Linn. Syst. Nat.* i. 2, 741; *Faun. Suec.* 909. *Latr. Gen.* iii. 137. *St. Farg. et Serv. Enc. Meth.* x. 211, pl. 122, f. 1—3. *Curt. Brit. Ent.* pl. 569. *Hahn, Wanz. Ins.* iv. 17, pl. 79, f. 242. *Blanch. Hist. Nat. Ins.* iii. 110, pl. 3, f. 1—*Acanthia lectularia*, *Fabr. Ent. Syst.* iv. 67; *Syst. Rhyn.* 112. *Wolff, Icon. Cim.* 127, pl. 13, f. 21. *Full. Hem. Suec.* 141. *Zett. Ins. Lapp.* 271. *Burm. Handb. Ent.* ii. 253. *Serv. Hist. Hem.* 313. *Flor. Rhyn. Liv.* i. 672. *Fieb. Eur. Hem.* 135. *Dougl. and Scott, Hem.* 510.

a—k. England.

l, m. Europe.

n, o. Madeira. From Mr. Wollaston's collection.

p. Tennessee. Presented by the Entomological Club.

q. Bahia. From the Entomological Society's collection.

r. Natal. From M. Guenzius' collection.

s. Sierra Leone. Presented by the Rev. D. F. Morgan.

t. Hindostan. Presented by J. S. Wooley, Esq.

u. Hindostan. From Mr. Stevens' collection.

v. Ceylon. Presented by Dr. Thwaites.

x. Amoy, China. From Mr. Stevens' collection.

y. Australia. Presented by the Entomological Club.

z. Swan River. From Dr. Bacon.

2. ACANTHIA CILIATA.

ciliata, *Everm. Fieb. Eur. Hem.* 135.

Russia.

Uncertain species.

ACANTHIA HIRUNDINIS.

Cimex Hirundinis, *Jenyns, Ann. Nat. Hist.* iii. 243, pl. 5, f. 21—*Acanthia Hirundinis*, *Dougl. and Scott, Hem.* 511.

England.

ACANTHIA COLUMBARIA.

Cimex Columbarius, *Jenyns, Ann. Nat. Hist.* iii. 242, pl. 5, f. 1—**Acanthia Columbaria**, *Dougl. and Scott, Hem.* 510.
England.

ACANTHIA PIPISTRELLI.

Cimex Pipistrelli, *Jenyns, Ann. Nat. Hist.* iii. 243, pl. 5, f. 3—**Acanthia Pipistrelli**, *Dougl. and Scott, Hem.* 512.
England.

South America.**3. ACANTHIA VALDIVIANA.**

Valdiviana, *Philippi, Stett. Ent. Zeit.* xxvi. 63.
Valdivia.

4. ACANTHIA FŒDA.

fœda, *Stal, Ofv. K. V. Ak. Forh.* xi. 235.
New Granada.

5. ACANTHIA HEMIPTERA.

hemiptera, *Fabr. Syst. Rhyn.* 113. *Stal, Hem. Fabr.* i. 91.
South America.

6. ACANTHIA CHILENSIS.

Chilensis, *Blanch. Gay, Hist. Chile Emipt.* pl. 2, f. 15.
Chili.

Africa.**7. ACANTHIA VILLOSA.**

villosa, *Stal, Ofv. Vet. Ak. Forh.* 1855, 38; *Hem. Afr.* iii. 24.
Caffraria.

8. ACANTHIA ROTUNDATA.

rotundata, *Sgnt. A. S. E. F. 2me Sér.* x. 540, pl. 16, f. 2. *Stal, Hem. Afr.* iii. 25.
Bombon.

South Asia.**9. ACANTHIA MACROCEPHALA.**

macrocephala, *Fieb. Eur. Hem.* 135.
Hindostan.

NUDIROSTRA.

The great multitude of generic names that have been lately applied to the tribe of Nudirostra are here noticed, but being in many cases an incumbrance they are kept somewhat in subordination, and are considered as divisions and not as genera.

- A. Antennæ long. Alticornia.
- a. Head forming a neck behind the eyes. Nudi-
collia.
- * Head shorter than the prothorax. Humigradi.
- † Fore coxæ short. Brevicoxæ.
- ‡ Joints of the antennæ inserted in the preceding
joints before the tips of the latter; fourth
joint thick. Ramicornia. - - -
- ¶ Joints of the antennæ inserted in the preceding
joints at the tips; fourth joint setiform.
Caulicornia.
- § Fore tibiæ and (most often) middle tibiæ with a
spiny furrow at their tips beneath. Spongi-
pedes.
- × Head more or less elongated or triangular in
front of the eyes. Antenniferous tubercles
slightly prominent.
- o Head more or less elongated in front. Eyes
not usually very prominent.
- Scutellum not bifid at the tip.
- Transverse furrow of the prothorax near the
hind border. - - -
- Transverse furrow of the prothorax near the
fore border. - - -
- Scutellum bifid at the tip. - - -
- oo Head transverse. Eyes very prominent or
petiolated. - - -
- XX Head truncated in front. Antenniferous
tubercles very long and prominent. -
- § Fore tibiæ and middle tibiæ with no spongy
furrow. Siccipedes.
- × Head triangular, more or less elongated in
front. Conocephali.
- o Thorax not tumid.
- Ocelli very wide apart. Fore tarsi very small,
received into a notch of the fore tibiæ above.
- Ocelli more or less approximate. Fore tarsi of
the usual length, not received into a notch
of the fore tibiæ.
- Claws of the tarsi compressed; a tooth at their
base.
- Body oval. Abdomen dilated, broader than the
fore wings. - - -
- Body elongated, nearly linear. Abdomen not
usually broader than the fore wings. -
1. HOLOPTILIDÆ.
2. PIRATIDÆ.
3. REDIVIDÆ.
4. ECTRICHODIDÆ.
5. MACROPIDÆ.
6. SALYAVATIDÆ.
7. APIONERIDÆ.
8. HARPACTORIDÆ.
9. ZELIDÆ.

| | | | | |
|--|---|---|---|--------------------|
| --- Claws of the tarsi long, slender, with no tooth at the base. | - | - | - | 10. HOLMTRICHIDÆ. |
| on Thorax round. | - | - | - | 11. SACCOBURIIDÆ. |
| XX Head truncate or cylindrical. Variceps. | - | - | - | |
| o Head short, truncate in front. Breviceps. | - | - | - | 12. SPHERIDOPTIDÆ. |
| on Head long, cylindrical. Cyandiceps. | - | - | - | |
| → Body round, etc. Antennæ inserted before the tip of the head, first joint not extending beyond the tip. Legs rather short and stout. | - | - | - | 13. COCORINIDÆ. |
| →→ Body elongated. Antennæ inserted at the tip of the head, first joint extending beyond the tip. Legs long, slender. | - | - | - | 14. STENOPOGONIDÆ. |
| †† Fore coxæ very long. Longicoxæ. | - | - | - | 15. ENESIDÆ. |
| •• Head twice the length of the prothorax. Sagittigrada. | - | - | - | 16. HYDROMETIDÆ. |
| b. Head with no distinct neck behind the eyes. Ovalata. | - | - | - | |
| • Rostrum thick, not extending beyond the fore coxæ. | - | - | - | 17. LEPTOPIDÆ. |
| •• Rostrum slender, extending beyond the fore coxæ. | - | - | - | 18. SALIDIDÆ. |
| B. Antennæ very short. Brevicornia. | - | - | - | 19. PELOGONIDÆ. |

Fam. 1. HOLOPTILIDÆ.

Holoptilidæ, *Serv. Hist. Hem.* 318.

| | | | |
|--|---|---|-----------------|
| A. Two very distinct ocelli. Hind tibiae with a tuft. | | | 1. MAOTYRÆ. |
| a. Ocelli very near the eyes. Prothorax with no keel. | | | |
| b. Ocelli not nearer to the eyes than to each other. Prothorax with two keels. | - | - | 2. PYLOCNEMIDÆ. |
| B. No distinct ocelli. Hind tibiae with no tuft. | - | - | 3. HOLOPTILUS. |

Fam. 2. PIRATIDÆ.

Piratidæ, *Serv. Hem.* 321.

| | | | |
|--|---|---|-----------------|
| A. Rostrum not extending beyond the fore coxæ. Membrane of the fore wings with discoidal areoletæ. | | | |
| a. Fore lobe of the prothorax with a longitudinal furrow. | | | |
| • Ocelli distinct. | | | |
| † Four anterior femora with long and stout spines beneath. | - | - | 1. LESTONERUS. |
| †† Four anterior femora with no long and stout spines beneath. | - | - | |
| † Prothorax rugose. | - | - | 2. CATANILARUS. |
| †† Prothorax smooth, shining. | - | - | |
| § Fore half of the prothorax with one longitudinal furrow. | - | - | 3. PIRATES. |

- | | | | | | |
|--|---|---|---|---|----------------|
| §§ Fore half of the prothorax with five or six longitudinal furrows. | - | - | - | - | 4. RASAHUS. |
| ** No ocelli. | - | - | - | - | 5. PACHYNOMUS. |
| b. Fore lobe of the prothorax with no longitudinal furrow. | - | - | - | - | 6. PROSTEMMA. |
| B. Rostrum extending beyond the fore coxæ. Membrane of the fore wings with longitudinal veins. | - | - | - | - | 7. NABIS. |

Fam. 3. REDUVIDÆ.

Reduvidæ, *Serv. Hist. Hem.* 333.

- | | | | | | |
|--|---|---|---|---|-----------------|
| A. Hind angles of the prothorax spiny. | | | | | |
| a. Scutellum with three spines. | - | - | - | - | 1. PLATYMERIS. |
| b. Scutellum with one spine. | | | | | |
| * Disk of the prothorax spiny. | | | | | |
| † Hind part of the prothorax spiny. | - | - | - | - | 2. TETROXIA. |
| †† Hind part of the prothorax unarmed. | - | - | - | - | 3. SPENIGER. |
| ** Disk of the prothorax unarmed. | - | - | - | - | 4. ACANTHASPIS. |
| B. Hind angles of the prothorax rounded, unarmed. | | | | | |
| a. First joint of the antennæ not less than half the length of the head. | - | - | - | - | 5. REDUVIUS. |
| b. First joint of the antennæ very short. | | | | | |
| * Head short. | | | | | |
| † Head not bifid. | - | - | - | - | 6. OPINUS. |
| †† Head bifid. Fore femora strongly dentate beneath. | | | | | 7. DURGANDA. |
| ** Head long, mitre-shaped in front of the eyes. | - | - | - | - | 8. TIAODES. |

Fam. 4. ECTRICHODIDÆ.

Ectrichodidæ, *Serv. Hist. Hem.* 342.

- | | | | | | |
|--|---|---|---|---|-------------------|
| A. Second joint of the antennæ simple. | | | | | |
| a. Rostrum short, stout; second joint shorter than the first, tumid above. | | | | | |
| * Antennæ six-jointed. | - | - | - | - | 1. PHYSORHYNCHUS. |
| ** Antennæ four-jointed. | - | - | - | - | 2. ECTRICHODIA. |
| b. Rostrum long, slender; first joint much longer than the second. | - | - | - | - | 3. POTHEA. |
| B. Second joint of the antennæ composed of many secondary joints. | - | - | - | - | 4. HAMMATOCERUS. |

Fam. 5. MACROPIDÆ.

Macropidæ, *Serv. Hist. Hem.* 346.

- | | | | | | |
|------------------------------|---|---|---|---|-------------|
| A. Scutellum with one spine. | - | - | - | - | 1. MACROPS. |
| B. Scutellum unarmed. | - | - | - | - | 2. CETHERA. |

Fam. 6. SALYAVATIDÆ.

Salyavatidæ, *Serv. Hist. Hem.* 359.

1. SALTAVATA.

Fam. 7. APIOMERIDÆ.

Apiomeridæ, *Serv. Hist. Hem.* 350.

A. Prothorax truncate hindward; scutellum uncovered.

a. Neck elongated.

* Abdomen broader than the fore wings; sides slightly dentate.

† Second joint of the antennæ distinctly shorter than the third. - - -

†† Second joint of the antennæ as long as the third, or longer. - - -

** Abdomen not broader than the fore wings; sides not dentate. - - -

b. Neck short.

* Scutellum triangular.

† First joint of the antennæ long, slender. - -

†† First joint of the antennæ very short, thick at the tip. - - -

** Scutellum rounded hindward. - - -

B. Prothorax elongated hindward, covering the scutellum. - - -

1. APIOMERUS.

2. BEHARA.

3. TRICHOSCELIS.

4. MICHAUCHENIA.

5. PONEROBIA.

6. HEREGA.

7. PRISTHEVARMA.

Fam. 8. HARPACTORIDÆ.

Harpactoridæ, *Serv. Hist. Hem.* 355.

A. Prothorax quite covering the scutellum.

a. Prothorax not forming a ridge. - -

b. Prothorax forming a serrated ridge. - -

B. Prothorax not covering the scutellum.

a. Abdomen dilated into foliaceous appendages. -

b. Abdomen dilated, bifid at the tip. - -

c. Abdomen not dilated.

* Scutellum with a spine or elevated tubercle on its disk.

† Hind part of the prothorax without tubercles.

† Fore part of the prothorax without spines. -

†† Fore part of the prothorax with spines. -

†† Hind part of the prothorax with spiny tubercles.

** Scutellum without any conspicuous spine or tubercle.

† A stout spine behind the base of the antennæ.

†† No stout spine behind the base of the antennæ.

‡ Fore femora unarmed.

1. CIDORIA.

2. PRIONOTUS.

3. YOLINGA.

4. EULYGA.

5. SYCANUS.

6. PRISTHEANCHUS.

7. HELONOTUS.

8. PISZOPLEURA.

- | | | | |
|---|---|---|-------------------|
| § Sides of the abdomen notched. | - | - | 9. MONTINA. |
| §§ Sides of the abdomen not notched. | | | |
| × Disk of the prothorax with spiny tubercles. | - | - | 10. PLEOGASTER. |
| ×× Disk of the prothorax without tubercles. | - | - | 11. HARPACTOR. |
| †† Fore femora with a spine at the base. | - | - | 12. ACANTHISCHIA. |

The genus *Oreada* may be placed here at present; it is supposed to be wingless.

Fam. 9. ZELIDÆ.

Zelidæ, *Serv. Hist. Hem.* 367.

- | | | | |
|---|---|---|-----------------|
| A. Head without long and acute spines. | | | |
| a. Scutellum unarmed. | | | |
| • Disk of the prothorax without tubercles. | | | |
| † Hind angles of the prothorax unarmed. | - | - | 1. EVAGORAS. |
| †† Hind angles of the prothorax with one spine. | | | |
| ‡ First and second joints of the rostrum equally long. | | | 2. ISOCONDYLUS. |
| ‡‡ First joint of the rostrum much shorter than the second. | | | |
| § A tooth behind the sharp spine on each hind angle of the prothorax. | - | - | 3. DIPLODA. |
| §§ No tooth behind the above spine. | - | - | 4. DARBANUS. |
| •• Disk of the prothorax with pointed tubercles. | - | - | 5. PASSALUKTES. |
| b. Scutellum with one spine. | - | - | 6. SAICA. |
| B. Head with long and acute spines. | | | |
| a. Head with two spines. | | | |
| • Fore disk of the prothorax unarmed. | | | |
| † Hind angles of the prothorax not prominent. | | | |
| Fore wings entirely membranous. | - | - | 7. MYOCOCHIS. |
| †† Hind angles of the prothorax prominent and spine-shaped. | | | |
| ‡ Subapical joint of the antennæ not dilated in the male. Fore border of the prothorax with no spines nor tubercles. | - | - | 8. ZELUS. |
| ‡‡ Subapical joint of the antennæ dilated in the male. Fore border of the prothorax with a prominent or spine-shaped tubercle on each side. | - | - | 9. ATHACHELUS. |
| •• Fore disk of the prothorax with spines. | - | - | 10. HEZA. |
| b. Head with many spines. | - | - | 11. SINBA. |

Fam. 10. HOLOTRICHIDÆ.

Holotrichidæ, *Serv. Hist. Hem.* 376.

- | | | | |
|--|---|---|-----------------|
| A. Fore tibiae not dilated. | - | - | 1. HOLOTRICHIA. |
| B. Fore tibiae dilated and membranous. | - | - | 2. PRIALOCHINA. |

Fam. 11. SACCODERIDÆ.

Saccoderidæ, *Serv. Hist. Hem.* 379.

- | | | | | | |
|---|---|---|---|---|----------------|
| A. Head triangular. Neck long. Tibiæ not tumid in the middle. | - | - | - | - | 1. SAVA. |
| B. Head rounded. Neck short. Tibiæ tumid in the middle. | - | - | - | - | 2. SACCODERES. |

Fam. 12. SPHÆRIDOPIDÆ.

1. SPHÆRIDOPS

Fam. 13. CONORHINIDÆ.

Conorhinidæ, *Serv. Hist. Hem.* 383.

- | | | | | | |
|--|---|---|---|---|-------------------|
| A. Second joint of the antennæ much longer than the first. | - | - | - | - | 1. CONORHINUS. |
| B. First and second joints of the antennæ equally long. | - | - | - | - | 2. CIMBUS. |
| C. First joint of the antennæ much longer than the second. | - | - | - | - | 2. LOPHOCEPHALUS. |

Fam. 14. STENOPODIDÆ.

Stenopodidæ, *Serv. Hist. Hem.* 386.

- | | | | | | |
|--|---|---|---|---|------------------|
| A. Fore femora thickened and dentate beneath. | | | | | |
| a. First joint of the antennæ shorter than the head. Fore wings broad, almost as long as the abdomen. | - | - | - | - | 1. ONCOCEPHALUS. |
| b. First joint of the antennæ at least as long as the head. Fore wings not more than half as long as the abdomen. | - | - | - | - | 2. SASTRAPADA. |
| B. Fore femora not or slightly thickened, not dentate beneath. | | | | | |
| a. Abdomen keeled beneath. | | | | | |
| * Prothorax and scutellum spiny. | - | - | - | - | 3. CANTHESANCUS. |
| ** Prothorax and scutellum not spiny, | - | - | - | - | 4. STENOPODA. |
| b. Abdomen not keeled beneath. | | | | | |
| * First joint of the rostrum twice as long as the second. First joint of the antennæ and fore femora short, stout. | - | - | - | - | 5. PYGOLAMPIS. |
| ** Body filiform. First joint of the rostrum much shorter than the second. First joint of the antennæ and fore femora very long and slender. | - | - | - | - | 6. RHAPHIDOSOMA |

Fam. 15. EMESIDÆ.

Emesidæ, *Serv. Hist. Hem.* 393.

A. Most often wingless. Prothorax cylindrical, reticulated hindward, not covering the mesothorax.

a. Fore femora with a long sharp spine at the middle beneath; no sharp tooth at the base. -

b. Fore femora with no such spine; a sharp tooth at the base. - - - - -

B. Always winged. Prothorax quadrate, covering the mesothorax. - - - - -

1. EMESA.

2. EMESODEMA.

3. PLOIARIA.

Fam. 16. HYDROMETRIDÆ.

Hydrometridæ, *Serv. Hist. Hem.* 398.

1. HYDROMETRA.

Fam. 17. LEPTOPIDÆ.

Leptopidæ, *Serv. Hist. Hem.* 401.

LEPTOPUS.

Fam. 18. SALDIDÆ.

Saldidæ, *Serv. Hist. Hem.* xlix.

A. Fore wings entirely coriaceous. - - -

B. Fore wings membranous. - - -

1. SCIODOPTERA.

2. SALDA.

Fam. 19. PELOGONIDÆ.

Pelagonidæ, *Stal, Hist. Hem.* 407.

1. PELOGONUS.

Prof. Stal's divisions of this tribe are as follows:—

A. Rostrum four-jointed. - - -

B. Rostrum three-jointed. - - -

NABIDA.

REDUVIDA.

1. NABIDA.

A. Head hidden as far as the eyes. Ocelli, when they are present, seated by the eyes and in an imaginary line between them at the base. Fore femora distinctly incrassated.

- | | |
|---|-----------------------|
| a. No ocelli. Hind part of the prothorax slightly and transversely impressed, hind angles somewhat prominent. Fore femora very thick; fore tibiæ not incrassated at the tips, longer than the femora. - - - - - | PACHYNOMUS. |
| b. Ocelli distinct. Prothorax slightly straightened in the middle, slightly truncated on the hind border. Fore femora moderately thick; fore tibiæ incrassated towards the tips, shorter than the femora. | |
| * Rostrum not extending behind the prostethium. - | PROSTEMMA. |
| ** Rostrum extending behind the prostethium. | |
| † Rostrum extending nearly to the tip of the prostethium. Fore femora not enlarged, tooth-like. - - - - - | PAGASA. |
| †† Rostrum extending to the tip of the prostethium. Fore femora widened, tooth-like beneath. - | ALLÆORHYNCHUS. |
| B. Head not hidden as far as the eyes. Ocelli remote from the eyes and placed a little behind them. Fore femora not or slightly incrassated. | |
| a. Ocelli remote from each other. | |
| * Fore femora and fore tibiæ equally long. - | NABIS. |
| ** Fore tibiæ shorter than the fore femora. - | GORPIS. |
| b. Ocelli very near each other. - - - - - | ARBELA. |

2. REDUVIDA.

Subfamilies.

- | | |
|---|--------------------------|
| A. Fore coxæ short, never more than twice or thrice as long as thick. | |
| a. Rostrum with no spines. | |
| * Claws dentate at the base or more or less distinctly appendiculate. (Amphibolus excepted) - - - - - | 1. REDUVIIDA. |
| ** Claws simple, rarely dentate or appendiculate, the tarsi in that case heteromorous. | |
| † Third joint of the antennæ inserted in the tip of the second. | |
| ‡ Fore tarsi one-jointed. - - - - - | 1. ECTINODERIDA. |
| ‡‡ Fore tarsi two-jointed. - - - - - | 2. SALVATIDA. |
| ‡‡‡ Fore tarsi three-jointed. | |
| § Fore tibiæ above with an apical furrow for the reception of the tarsi. - - - - - | 4. APIOMERIDA. |
| §§ Fore tibiæ with no such furrow. | |
| × Fore wings with a discal areolet. - - - - - | 5. STENOPODIDA. |
| ×× Fore wings with no discal areolet. | |
| o Scutellum armed at the tip with two, three or more points. - - - - - | 6. ECTRICHODIIDA. |
| oo Scutellum triangular, generally very sharp at the tip or forming a spine, rarely rounded. | |

- Ocelli very often distinct. Antennæ inserted in the tips of the antenniferous tubercles. Membrane large or of moderate size.
- Fore coxæ almost cylindrical, short or very short. Fore femora more than twice as long as the fore coxæ. - - - 7. ACANTHASPIDIDA.
- Fore coxæ long, flat or slightly concave on the outer side. Fore femora about twice as long as the fore coxæ. - - - 8. PIRATIDA.
- Ocelli none. Antenniferous tubercles extending beyond the insertion of the antennæ. Membrane very large. - - - 9. TRIBELOCEPHALIDA.
- †† Third joint of the antennæ inserted before the tip of the second. Fore wings very broad, the membrane occupying the greatest part. 10. HOLOPTILIDA.
- b. Second joint of the rostrum incrassated towards the base and armed with two hostile-like spines. No ocelli. Tarsi three-jointed. Claws simple. - - - 11. SAICIDA.
- B. Ocelli most often none. Legs long, very slender. Fore coxæ more or less elongated, inserted in the apical part of the prostethium, often extending beyond the tip of the head. Fore tibiae shorter than the fore femora.
- a. Fore tarsi with two claws.
- * Two distinct ocelli. - - - 12. BACTROBIDA.
- ** No ocelli. - - - 13. PLÆARIDA.
- b. Fore tarsi with one claw. No ocelli. - - - 14. EMESIDA.

The following is Dohrn's division of Nudirostra in *Stett. Ent. Zeit.* xx. 1859, 91.

1. Harpactoridæ, with Saccoderidæ, Zelidæ and Lophocephala.
2. Stenopodidæ.
3. Reduvidæ, with Conorhinus, Petalocheirus, Holotrichus and Macroptidæ.
4. Apomeridæ.
5. Ectrechodidæ, with Cimbus.
6. Piratidæ.

Genera of Stal's subfamilies of Reduvidæ.

Subfam. 1. REDUVIIDA.

Including the Harpactoridæ of Serville.

Subdiv. 1.

- A. Fore sides of the mesothidium furnished with a tubercle or fold.
- a. First joint of the rostrum extending to or behind the eyes, equal to or longer than the interocular part of the head.

| | | |
|--|-----------------------|-------------|
| * Fore femora spiny. | | |
| † Legs long; all the femora spiny. | - - | SOLOMINA. |
| †† Hind femora not spiny. | | |
| ‡ Fore tibiae spiny. | - - - - | SINEA. |
| ‡‡ Fore tibiae not spiny. | | |
| § Fore femora with a rather long spine above near the tips. | | |
| × Post-ocular part of the head more than twice longer than the ante-ocular part. First joint of the rostrum somewhat longer than the second. Neck rather long. | - - | IRANTHA. |
| ×× Post-ocular part of the head never more than twice longer than the ante-ocular part. First joint of the rostrum not or slightly longer than the second. Neck rather short. | | |
| o Fore lobe of the prothorax spiny. | - - | SCIPINIA. |
| oo Fore lobe of the prothorax rough, not spiny. | - | SINDALA. |
| §§ Fore femora with no subapical spine above. | | |
| × Head behind the eyes and fore lobe of the prothorax spiny. First joint of the rostrum longer than the second. | - - - - | VELEDA. |
| ×× Head behind the eyes and fore lobe of the prothorax minutely tuberculate, not spiny. First and second joints of the rostrum equally long. | - - - - | ACHOLLA. |
| ** Fore femora unarmed. | | |
| † Head long. Body very often long. | | |
| † Prothorax extended hindward, covering the scutellum; hind lobe keeled lengthwise. | - | PRIONOTUS. |
| ‡ Hind lobe of the prothorax hexagonal, not keeled nor extended hindward. | | |
| § Fore tibiae beneath with a subapical tooth. | STHIENERA. HARPACTOR. | |
| §§ Fore tibiae with no tooth beneath. | | |
| × Hind border of the hind lobe of the prothorax extended, with an obtuse little tooth. First joint of the rostrum longer than the second. | | |
| o Fore tibiae curved. Sides of the prothorax hindward with a rather obtuse tooth. Body not silky. Fore femora comparatively thick. Tubercles of the hind disk of the prothorax obtusely conical. | - - | ABICORUS. |
| oo Fore tibiae straight. Sides of the prothorax with no tooth hindward. Body silky. Tubercles of the hind lobe of the prothorax more or less compressed. | - - - - | PLEOGASTER. |
| ×× Hind sides of the hind lobe of the prothorax with no tooth. | | |
| o Intermediate segments of the abdomen forming a rounded lobe. | - - - - | MONTINA. |
| oo Intermediate segments of the abdomen with no such lobe. | | |

- First and second joints of the rostrum equally long, or the first shorter than the second.
- Disk of the hind lobe of the prothorax bituberculate hindward.
- Apical angles of all the abdominal segments, or at least of the first and second, prominent. - - - - - **ARISTIPPUS.**
- Apical angles of the abdominal segments not prominent. - - - - - **HELONOTUS.**
- Hind lobe of the prothorax not bituberculate.
- Hind angles of the prothorax extended. Disk of the scutellum with a much elevated and sometimes dichotomous tubercle. - - - **PRISTESANGUS.**
- Scutellum with a slightly elevated tubercle. - **LANITUS.**
- Hind angles of the prothorax not extended.
- Scutellum with no tubercle.
- ⊙ Ante-ocular part of the head shorter than the post-ocular. First joint of the antennæ longer than the head, the prothorax, and the scutellum together. Fore lobe of the prothorax with two high tubercles hindward; fore angles with an acute tubercle, which is inclined outward. Side angles of the hind lobe of the prothorax elongated. Legs rather long. - - - - - **ARCHILOCHUS.**
- ⊙⊙ Ante-ocular part of the head about equal to the post-ocular, the former a little lower than the seat of the ocelli. First joint of the antennæ somewhat longer than the head. Prothorax with no discal tubercles; fore angles obtusely tuberculate; lateral angles of the hind lobe obtusely rounded, not prominent. Legs rather short; thighs towards the tips slightly tapering; fore thighs incrassated; tibiae and fore thighs equally long, hind thighs extending almost to the third apical part of the abdomen; tibiae slightly thickened at the tips. - - - **SAXITUS.**

The following description of *Saxitius*, translated from the same author, differs somewhat from the preceding one:—

Head and prothorax equally long, the former cylindrical; post-ocular part slightly tapering hindward, a little longer than the ante-ocular part, which is hardly lower than the seat of the ocelli, the latter being very slightly raised. First joint of the rostrum short, just shorter than the ante-ocular part of the head; second about twice as long as the first. Antennæ rather short; first joint a little longer than the head. Lobes of the prothorax with small spines or acute

| | | | |
|---|---|---|---|
| tubercles on each side in the disk, there in a longitudinal series. Scutellum acutely triangular. Abdomen a little broader than the fore wings. Legs moderately long, stiffly setose; fore femora somewhat thickened, with many spines beneath; fore tibiæ hardly as long as the fore femora; claws slender, simple, rather long. Fore wings extending to the tip of the abdomen. | | | |
| →→ | First joint of the rostrum longer than the second. | | |
| →→ | Head in front and disk of the hind lobe of the prothorax with two spines. | | |
| ∞ | Body elongate. | - | - |
| ∞∞ | Body oblong. | - | - |
| →→→ | Hind lobe of the prothorax unarmed, or obtusely bituberculate. | | |
| ∞ | Head with two spines in front. | - | - |
| ∞∞ | Head with no spines in front. | | |
| ⊙ | Disk of the hind lobe of the prothorax bituberculate. | - | - |
| ⊙⊙ | Disk of the hind lobe of the prothorax with no tubercles. | | |
| = | First joint of the rostrum about as long as the third and fourth together. | | |
| + | Body oblong. Head in front with two little obtuse tubercles. Middle femora slightly incrassated before the middle, tapering towards the base. | - | - |
| ++ | Body elongated. Head in front with two little acute tubercles. Middle femora straight, not incrassated towards the base. | - | - |
| == | Body elongate. First joint of the rostrum distinctly shorter than the third and fourth together. | - | - |
| →→ | Head oval or oblong. Body oblong. | - | - |
| b. | First joint of the rostrum not extending to the eyes; second twice longer than the first. | - | - |
| B. | Fore sides of the mesothidium with no tubercle or fold. | | |
| o | First and second joints of the rostrum variable in length; second sometimes more than four times as long as the first; first very often longer than the third. | | |
| * | Fore tibiæ beneath with a subapical tooth. | - | - |
| ** | Fore tibiæ with no tooth beneath. | | |
| † | Post-ocular part of the head more than twice longer than the ante-ocular part. Eyes oblong-ovate, near the tip of the head. Fore tibiæ longer than the fore femora. | | |

HEXA.
PALOPTUS.

NAGUSTA.

MARGASUS.

DOMNUS.

ISOCONDYLUS.

LAPHYOTES.
CORANUS.

BLAPTON.

RIHIBUS.

- † Second joint of the rostrum twice longer than the first. Femora carinate-nodulose. Fore femora especially clavate. - - - - - **PEPRIUS.**
- ‡ Second joint of the rostrum a little longer than the first. Femora very slightly nodulose, not clavate. - - - - - **VESBIUS.**
- †† Post-ocular part of the head sometimes more than twice longer than the ante-ocular part, often shorter. Eyes more or less remote from the tip of the head.
- ‡ Head oval, shorter by nearly the half than the prothorax. Prothorax flat; sides ridged, not obtusely convex. - - - - - **PHONOTONUS.**
- ‡ Prothorax rarely flat; head in that case hardly or but a little shorter than the prothorax.
- § Hind lobe of the prothorax angularly extended hindward, covering the scutellum. - - - - - **PANTHUS.**
- §§ Hind lobe of the prothorax not extended hindward, not covering the scutellum.
- × First joint of the rostrum longer than the second. Prothorax flat; fore lobe with a conical tubercle on each side at the base; disk unarmed. - - - - - **ISYNDUS.**
- ×× Prothorax, the fore lobe especially, more or less convex, this lobe with no conical tubercle on each side at the base.
- Side angles of the hind lobe of the prothorax acute, prominent, or armed with a spine.
- First joint of the rostrum longer than the second, or the two almost equal in length.
- Post-scutellum angularly prominent behind the scutellum.
- First joint of the rostrum longer than the third and fourth. Scutellum unarmed. - - - - - **DALYRTA.**
- First joint almost as long as the third and fourth. Scutellum spiny. - - - - - **ALCMEHA.**
- Post-scutellum not or hardly and never angularly prominent behind the scutellum.
- First joint of the rostrum a little longer than the third and fourth together.
- + Body oblong-ovate. Hind lobe of the prothorax with two compressed tubercles. Abdomen somewhat dilated, especially in the middle. **ASTINUS**
- ++ Body elongate. Hind lobe of the prothorax unarmed or with two spines in the disk. Antennae and legs long, slender. Fore tibiae almost as long as the femora. - **ENDOCHUS.**
- First joint of the rostrum shorter than the third and fourth together, or equal to them in length. Hind lobe of the prothorax with four spines.

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| + Scutellum obtuse and rounded at the tip. - | EPIDAU. |
| ++ Scutellum triangular, sometimes rather acute. Legs long, slender. | |
| ⊙ Body elongated. Head with two spines in front. First joint of the rostrum longer than the second. Fore wings not or hardly extending beyond the tip of the abdomen. - | PIRISUS |
| ⊙⊙ Body oblong. Head in front behind the antennæ with two little lobes. First and second joints of the rostrum about equal in length. Fore wings extending much beyond the tip of the abdomen. - - | VERULUS. |
| →→ First joint of the rostrum shorter than the second. | |
| ++ First joint of the rostrum a little shorter than the second. Body oblong. Lobes of the disk of the prothorax spiny. - - | GMINATUS. |
| ++++ First joint of the rostrum much shorter than the second. Lobes of the disk of the prothorax with no spines. | |
| ∞ Body somewhat elongated. Hind lobe of the prothorax armed on each side a little before the lateral angles, with a long spine which is more or less inclined forward. - - | EUAGORAS. |
| ∞∞ Body slightly elongated. Side angles of the hind lobe of the prothorax acute, slightly prominent outward. - - - | VESTULA. |
| oo Side angles of the hind lobe of the prothorax unarmed, rounded, rarely prominent. | |
| → Head longer than the prothorax. Scutellum with a very distinct tubercle or with a more or less erect spine, which is sometimes dichotomous at the tip. Abdomen most often much dilated and rounded. - - | SYCANUS. |
| →→ Scutellum unarmed or with a short obtuse spine which is inclined backward, hardly reflexed. | |
| ++ Several segments of the abdomen or at least one widened into a rounded lobe. | |
| ∞ Hind lobe of the prothorax bituberculate. - | ULPID. |
| ∞∞ Hind lobe of the prothorax with no tubercles. | |
| + Abdomen even at the tip greatly dilated; dilated part of the segments convex. - | YOLINUS. |
| ++ Abdomen not or slightly dilated hindward. | |
| * Head longer than the prothorax. Legs not knotty. - - - - | PANTOLEISTER. |
| ** Head not longer than the prothorax. Legs slightly knotty. - - - - | VELINUS. |
| ++++ No segment of the abdomen or only the apical one prominent in a lobe. | |
| ∞ Second joint of the rostrum more than thrice longer than the first. Abdomen very | |

- dilated; widened part of the apical segment much produced hindward, with almost contiguous lobes. - - -
- ~~even~~ Apical segment of the abdomen not or very slightly dilated, widened part not produced hindward.
- + Body elongated. Head longer than the prothorax; post-ocular part longer than the ante-ocular part, slightly swelling near the base. Second joint of the rostrum about twice longer than the first. Abdomen not dilated. Legs long, slender. Fore wings extending to the tip of the abdomen. -
- ++ Body rarely elongated, most often oblong or oblong-ovate. Second joint of the rostrum very rarely twice the length of the first, sometimes less. Hind part of the head not swelling.
- ⊙ Fore femora much thickened. Fore tibiae distinctly curved. - - -
- ⊙⊙ Fore femora sometimes thickened. Fore tibiae straight or hardly curved.
- = First joint of the rostrum as long as the second or a little shorter. Second and third joints of the antennae thickened, the third much longer than the second. Membrane extending by half beyond the tip of the abdomen.
- = Second and third joints of the antennae very rarely thickened, in that case the third shorter than the second.
- V Head behind the antennae distinctly spiny or tuberculate.
- ≡ First joint of the rostrum shorter than the second. Fore lobe of the prothorax granulated. - - -
- ≡≡ First joint of the rostrum longer than the second or equal to it in length. Fore lobe of the prothorax not granulated.
- A Head with two spines in front. First joint of the rostrum as long as the third and fourth together. - - -
- AA Head with two tubercles in front. First joint of the rostrum not or a little longer than the second. - - -
- VV Head in front behind the antennae unarmed, sometimes wholly rough above.
- ≠ Rostrum almost straight, first and third joints equally long; second twice longer than the first. Eyes inserted before the middle of the head. Abdomen widened. -
- ≠: Rostrum curved; second joint very rarely twice the length of the first.

EOLYES.

TUNES.

AGYBIUS.

HARPAGOCORIS.

ZAMOLXIS

CUCOCORIS.

VITUMNUS.

VADIMON.

| | | |
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| Δ | First joint of the rostrum just longer than the third and fourth together. - - - | ANYTUS. |
| AA | First joint of the rostrum shorter than or hardly as long as the third and fourth together. | |
| ∇ | Claws hardly with appendages at the base. - | AMPHIBOLUS. |
| ∇∇ | Claws distinctly toothed or with appendages at the base. | |
| Λ | Fore femora spiny. - - - - | VATINIUS. |
| ΛΛ | Fore femora unarmed. | |
| + | Body somewhat depressed. Eyes seated about the middle of the head. - - - | HAVINTHUS. |
| ++ | Body not depressed. | |
| ⊙ | First joint of the rostrum longer than the ante-ocular part of the head; second joint twice longer than the first. Body elongated. - | PISILUS. |
| ⊙⊙ | Body oblong, rarely elongated. First joint of the rostrum not shorter than the ante-ocular part of the head. - - - | REDUVIUS. |
| b. | First and third joints of the rostrum very short; second very long, six times and more the length of the first. | |
| * | Body oblong. | |
| † | Exterior area of the corium reticulated. - | PHONOLIXES. |
| †† | Exterior area of the corium not reticulated. | |
| ‡ | Head longer than the prothorax. Eyes seated behind the middle of the head. - - | LOPHOCEPHALA. |
| ‡‡ | Head shorter than the prothorax. Eyes seated in the middle of the head. - - - | TEGUA. |
| ** | Body much elongated. | |
| † | Body winged. - - - - | LOPODYTES. |
| †† | Body wingless. - - - - | RHAPIDOSOMA. |

The American Reduviidæ, with no fore lateral tubercles on the meso-stethium are distributed in the following groups by Prof. Stål.—

- A. Prothorax neither gibbous nor lengthened hindward over the scutellum.
 - a. Prothorax with no acute small tubercles.
 - * Scutellum dilated at the tip, or foliaceous, or narrowly elongated.
 - † Scutellum narrowly lengthened at the tip; this part slightly depressed, not foliaceous. Antennæ rather short; first joint somewhat thickened, tapering towards the tip. First joint of the rostrum extending to the middle of the eyes. Hind lobe of the prothorax about twice broader than the fore lobe. Legs moderate, fore femora thickened. -
 - †† Scutellum at the tip dilated, foliaceous, reflexed or concave. Body rather long.
 - ‡ Membrane extending for more than half its length beyond the abdomen. Post-ocular

APREPOLESTES.

part of the head almost twice longer than the ante-ocular part, slightly sinuated as seen sideways beneath and in the middle; seat of the ocelli about equal to the ante-ocular part in height. - - -

†† Membrane extending a little beyond the tip of the abdomen. - - -

b. Prothorax with acute small tubercles.

* Head with a spine behind the eyes; ante-ocular part shorter than the post-ocular part. Cheeks not elongated. First joint of the rostrum longer than the second. First joint of the antennæ longer than the head and prothorax together. Femora with two apical spines; fore femora somewhat thickened.

† Post-ocular part of the head very slightly tapering hindward as seen from above and sideways; ocelliferous part slightly raised. -

† Post-ocular part of the head as seen from above perceptibly tapering hindward, not tapering in a side view, suddenly straightened at the base beneath, ocelliferous part not or scarcely raised. Body very long. Scutellum acutely triangular.

‡ Prothorax with four hinder spines. Some or all the abdominal segments with a spine on each apical angle - - -

†† Prothorax unarmed hindward. - - -

* Femora unarmed at the tips.

† First and second joints of the rostrum equal in length, or the first longer than the second.

‡ Post-scutellum not acutely prominent behind the scutellum.

§ Head oval, or oblong, or elongated, not gibbous beneath.

× Ocelliferous part of the head not raised. Legs short, hind femora not reaching the tip of the abdomen.

o Head almost cylindrical, very slightly tapering hindward; post-ocular part a little longer than the ante-ocular. Antennæ far from the eyes; first joint longer by half than the head. Eyes of moderate size. Body long. Abdomen slightly widened. Fore femora somewhat thickened. Fore wings sometimes shortened. - - -

oo Head gradually and perceptibly tapering hindward; post-ocular part hardly twice longer than the ante-ocular. First joint of the antennæ as long as the prothorax. First joint of the rostrum as long as the third and

CALLILESTES.

COSMOLESTES.

RICOLLA.

DOLDINA.
HYGROMYSTES.

FITCHIA

fourth joints together. Fore lobe of the prothorax small, hind lobe very large, convex; lateral angles with a little tooth. Abdomen somewhat widened, slightly compressed. Fore femora slightly thickened. Fore wings extending somewhat beyond the tip of the abdomen.

PIRNOXORA.

XX Ocelliferous part of the head more or less raised.

o Jugæ acutely or rather acutely prominent at the tips. Fore femora distinctly thickened. Fore trochanters and fore femora together about equal in length to the head and prothorax together. Fore wings extending to, hardly beyond, the tip of the abdomen.

+ Post-ocular part of the head about twice longer than the ante-ocular. Body slender. Head in front with two spines. First joint of the rostrum extending a little behind the eyes. Prothorax with four spines hindward. Hind femora not extending to the tip of the abdomen.

PHOROTRA.

++ Fore wings not or hardly extending beyond the abdomen.

∞ Prothorax with no small tubercles.

+ Seat of the ocelli elevated, higher than the ante-ocular part of the head.

SPHEDUNOLESTES.

++ Head slender; post-ocular part tapering perceptibly hindward, longer than the ante-ocular part; seat of the ocelli very slightly elevated, a little lower than the ante-ocular part. First joint of the rostrum somewhat longer than the ante-ocular part of the head; second joint much shorter. First joint of the antennæ somewhat shorter than the head and the prothorax together. Hind lobe of the prothorax somewhat longer than the fore lobe, truncated at the base, its hind angles obtuse and rounded. Legs moderate; fore femora very slightly thickened; hind femora very tumid towards the tips.

PORCULOBALE.

∞ Fore lobe of the prothorax with many small acute setigerous tubercles; hind lobe very thinly granulated. Post-ocular part of the head longer than the ante-ocular, with two very minute setigerous tubercles above in the middle; ante-ocular part and seat of the ocelli equally high. Second joint of the rostrum longer by half than the first joint. First joint of the antennæ as long as the head and the half of the prothorax together. Legs moderate; femora slightly nodose near the

- tips; fore femora slightly thickened. Scutellum at the tip slightly ochraceous and elongated and concave. - - -
- *** Fore wings extending much beyond the abdomen. - - -
- oo Post-ocular part of the head a little longer than the ante-ocular. First joint of the rostrum not extending beyond the eyes. Body hardly slender.
- + Apical angles of the penultimate segment of the abdomen with a large spine. - - -
- *** Apical angles of the penultimate segment of the abdomen unarmed; angles of the basal segments sometimes with a little spine. Hind lobe of the prothorax sometimes unarmed, sometimes tuberculate or spiny. - - -
- XX Jaws not or very obtusely prominent at the tips.
- o Head long, post-ocular part very long, more than twice longer than the ante-ocular. Neck long. Fore femora thickened; fore tibiae curved. Fore wings extending much beyond the tip of the abdomen. -
- oo Head variable in form; post-ocular part never twice longer than the ante-ocular. Neck very short.
- Prothorax with four spines hindward. Fore wings extending beyond the tip of the abdomen.
- *** Abdomen not or but very slightly widened; borders unarmed. Fore femora slightly thickened. Discal areolet of the fore wings oblong-quadrangular, rather large, fore area of the membrane twice broader than the hind area. - - -
- *** Abdomen beyond the middle perceptibly somewhat widened; apical angles of the segments spiny. Fore femora distinctly thickened. Discal areolet of the fore wings small; areas of the membrane almost equally broad and great. - - -
- *** Hind lobe of the prothorax unarmed hindward; side angles sometimes with a little tooth or little spine.
- *** Areas of the membrane nearly equally broad. Fore tibiae slightly curved. Head with two spines. Antennae somewhat far from the eyes. Fore femora much thickened. Fore wings extending much beyond the abdomen; discal area long. - - -
- *** Fore area of the membrane about twice broader than the hind area. Fore tibiae straight.

TRACHYLESTER.

COCOIA.

ATRACHELUS.

ROOFONOTA.

ACANTHRISCUM.

REPIPTA.

LINDUS.

MYCOONIS.

- Side angles of the hind lobe of the prothorax rounded, not prominent.
- + Body rather slender. Head with two spines in front. Eyes of the male very prominent. First joint of the antennæ about as long as the head and prothorax together. Hind lobe of the prothorax about twice longer than the fore lobe, disk rather flat; hind angles not elongated. Legs slender, fore femora not or very slightly thickened, slightly tapering towards the tips. Fore wings extending much beyond the tip of the abdomen; discal area oblong-quadrate. - -
- ++ Body rather thick. Head with two minute tubercles or spines in front. Eyes moderate. First joint of the antennæ shorter than the head and prothorax together. Fore femora somewhat thickened; hind femora not reaching the tip of the abdomen. - -
- Side angles of the hind lobe of the prothorax sinuated or armed with a little tooth. -
- † Head thick, gibbous and most thickly hairy beneath, in front with two very minute tubercles or with two spines of variable size. Body elongated. First joint of the rostrum about equal or hardly shorter than the third and fourth joints together. Antennæ inserted near the eyes. Fore wings extending beyond the tip of the abdomen; discal areolet oblong-quadrangular.
- § Fore area of the membrane much or nearly twice broader than the hind area. Fore femora perceptibly tapering towards the tips or thickened only towards the base. Fore tibiae straight. Hind angles of the hind lobe of the prothorax not prominent.
- × Fore angles of the prothorax unarmed, not prominent. Head very broad, very gibbous beneath. Legs long; fore femora slender, thickened towards the base. - -
- ×× Fore angles of the prothorax with a sometimes acute tubercle. Legs short or rather stout.
- §§ Areas of the membrane about equal in breadth. Fore femora much thickened, hardly tapering towards the tips; fore tibiae a little curved towards the tips. Hind angles of the hind lobe of the prothorax slightly lobate. -
- †† Post-scutellum acute, prominent behind the scutellum. Body much elongated. Head long, with two spines; post-ocular part about twice longer than the ante-ocular.

GRAPTOCEPTES.

CASTOLUS.

SPINDA.

HYMANETIS.

AMACROSPHORUS.

COSMONYTUS.

- §§ First joint of the antennæ long. Prothorax with four spines hindward. Fore wings not or hardly extending beyond the tip of the abdomen; fore area of the membrane a little broader than the hind area at the base. Legs rather long, slender, fore femora much thickened; fore tibiae straight, just shorter than the femora; tarsi small.
- †† First joint of the rostrum distinctly and very often much shorter than the second.
- ‡ First joint of the rostrum distinctly longer than the ante-ocular part of the head. Head with a small tubercle or little spine behind the antennæ, ante-ocular part a little shorter than the post-ocular; ocelliferous part not higher than the inter-ocular part. Fore legs shorter than the hind legs. Apical angles of the prothorax prominent, most often acute.
- § Legs moderately long. Side angles of the hind lobe of the prothorax with a little tooth; hind angles distinctly lengthened. Scutellum more or less depressed and foliaceous at the tip.
- §§ Legs rather long; fore femora somewhat thickened. Side angles of the hind lobe of the prothorax rounded, unarmed. Scutellum equilateral, hardly foliaceous at the tip. Areas of the membrane almost equally broad.
- †† First joint of the rostrum about equal in length to the ante-ocular part of the head. Head oblong or elongated.
- § Ante-ocular and post-ocular parts of the head equally long; ocelliferous part not higher than the inter-ocular part. Legs rather short; fore legs shorter than the hind legs; fore femora somewhat thickened. Prothorax unarmed; side angles of the hind lobe rounded, unarmed; hind angles slightly lobate, fore angles of the fore lobe distinctly and rather acutely tuberculate. Scutellum triangular, slightly elongated at the tip.
- §§ Post-ocular part of the head longer than the ante-ocular. Legs long; fore femora and hind femora equally long, or the former longer than the latter.
- × Side angles of the hind lobe of the prothorax unarmed.
- o Ante-ocular and post-ocular parts of the head almost equally long. First joint of the

DEBILIA.

MILYAS.

PYRTHOSPHEDEUS.

COSMOCLORIUS.

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| rostrum much shorter than the ante-ocular part of the head. Tip of the abdomen widened. Fore area of the membrane transverse, twice the breadth of the hind area. - | ISCHNOLOPIUS. |
| oo Post-ocular part of the head longer than the ante-ocular part. Tip of the abdomen not widened. Areas of the membrane, the hind one at least, longer than broad. - - | ZELUS. |
| XX Side angles of the hind lobe of the prothorax with a tooth or spine. | |
| o Hind lobe of the prothorax unarmed on the hinder disk. - - - - | DIPLODUS. |
| oo Hind lobe of the prothorax with two spines on the hinder disk. - - - - | PINDES. |
| B. Prothorax gibbous, lengthened hindward over the scutellum. | |
| a. Head oval or oblong, with two spines in front; post-ocular part suddenly more slender at the base. First joint of the rostrum extending behind the eyes, longer than the second. All the tibiae or the hind pair more or less thickened. - - - - | NOTOCYRTUS. |
| b. Head long, slender, unarmed; post-ocular part slender, tapering hindward, cylindrical behind the middle. First joint of the rostrum extending about to the hind border of the eyes; second very long. Hind lobe of the prothorax extending very much hindward, compressed and elevated, depressed hindward, straightened behind the middle, not prominently tumid in front. - - | SAVA. |
| The following divisions by Prof. Stal are here included in the genus Harpactor:— | |
| A. Scutellum not reflexed nor concave, hardly foliaceous at the tip. | |
| a. Disk of the scutellum much elevated. | |
| * Head and prothorax equally long. Hind lobe of the prothorax not impressed in the middle. Tibiæ linear. - - - - | GRAPTLESTES. |
| ** Head a little shorter than the prothorax. Hind lobe of the prothorax impressed lengthwise. Tibiæ, especially in the female, thickened in the middle. - - - - | GRAPTOCLOPIUS. |
| b. Disk of the scutellum not or hardly elevated. | |
| * Hind lobe of the prothorax somewhat elevated in front. - - - - | BIASTICUS. |
| ** Hind lobe of the prothorax not elevated. | |
| † Fore lobe of the prothorax small, one-third of the length of the hind lobe. Abdomen much dilated. - - - - | PÆCLOCLOPIUS. |
| †† Fore lobe and hind lobe of the prothorax | |

| | |
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| equally long, or the hind lobe never more than twice the length of the fore lobe. | |
| † Membrane extending to half its length beyond the tip of the abdomen. | GRAPTOSPHODRUS. |
| †† Membrane not or hardly extending beyond the tip of the abdomen. | |
| § Post-ocular part of the head shorter than the ante-ocular. | RHINOCORIS. |
| §§ Post-ocular part of the head as long as the ante-ocular, or longer. | |
| × Fore tibiae a little longer than the femora and trochanters. | HAGIA. |
| ×× Fore tibiae as long as the femora, or as the latter with the trochanters. | |
| o Fore lobe and hind lobe of the prothorax impressed lengthwise throughout. | SPHEDANOLESTES. |
| oo Hind lobe of the prothorax with no impression, or with a very slight one, which does not join that of the fore lobe. | |
| + Head and hind lobe of the prothorax equally long. | DINOCLEPTES. |
| ++ Head as long as the prothorax, or longer. | |
| → Hind lobe of the prothorax longer than the fore lobe. | |
| ↪ First joint of the rostrum long, extending a little behind the eyes. | SPHODRONITTUS. |
| ↪↪ First joint of the rostrum not extending behind the eyes. | |
| + Ocelliferous part of the head very much elevated. | CATAPHACTES. |
| ++ Ocelliferous part of the head not or hardly elevated. | REDUVIUS. |
| +++ Fore lobe and hind lobe of the prothorax equally long. Ocelliferous part of the head not higher than the intra-ocular part. Fore femora thick. | |
| ↪ Body narrow, somewhat elongated. | HÆMATOCHARES. |
| ↪↪ Body rather broad, somewhat oblong. | AGRIOCLOPIUS. |

Subgenera of Notocyrtus.

A. Head tuberculated on each side beneath near the base, somewhat elevated transversely above between the eyes.

a. Hind lobe of the prothorax depressed, with rounded angles on each side, gradually straightened behind the angles, rounded on the hind border. Fore femora rather thick; fore tibiae somewhat curved; middle tibiae slightly thickened towards the middle; hind tibiae much compressed and thickened beyond the middle, impressed on the inner

side in the middle. Fore spines of the head and of the prothorax short. *N. tripus*, *Stal.* Subg. HOMALOCYPHUS.

- b. Hind lobe of the prothorax inflated, transversely impressed in the middle or a little before the middle, with a horn directed outward, slightly curved forward in the middle on each side, abruptly and much straightened behind the horns, lengthened more hindward and then behind the middle abruptly lower and narrower, emarginated on the hind border. Femora equally thick. Fore tibiae rather thick; basal part slender, middle tibiae slightly thickened before the middle. Hind tibiae moderately thickened from the base to scarcely beyond the middle. *N. clatipes*, *cinctiventris*. - - - Subg. NOROCYRTUS.

B. Head convex beneath near the base, with no tubercles.

- a. Head elevated above between the eyes. Hind lobe of the prothorax somewhat elevated, slightly depressed on the disk, with an obtuse or rounded angle on each side. *N. camelus*, *formicatus*, *triarcatus*. - - - Subg. CYSTINGONOTUS.

b. Head not or hardly elevated above between the eyes.

- * Spines of the head rather long. Hind lobe of the prothorax compressed before the middle, with a short horn on each side in the middle; this horn directed outward and slightly forward; hind part elongated and rounded, depressed or impressed. *N. vesiculosus*, *flavolineatus*, *consimilis*, *pulvinatus*, *dromedarius*, *gibbus*. - - - Subg. CERATOCYPHUS.

** Spines of the head short. Hind lobe of the prothorax much elevated, with a rounded angle or excrescence on each side. Anterior tibiae slender, or very slightly thickened. Hind tibiae somewhat thickened.

- † Hind lobe of the prothorax very much inflated and elevated, forming a rounded angle on each side, gradually compressed and narrowed before these angles, abruptly sloping hindward. *N. fungosus*, *inflatus*. - Subg. SACCODERES.

†† Hind lobe of the prothorax less inflated and elevated, excavated lengthwise on the disk, with a short rounded excrescence on each side. *N. excavatus*. - - - Subg. COLLOCYRTUS.

DICROTELIDA.

Body long. Head elongated, its tip forming an acute spine; ante-ocular part (excepting the spine) shorter than the post-ocular, with

A little acute tubercle behind the eyes; ocelliferous part not elevated. First joint of the rostrum extending nearly to the middle of the eyes, second more than twice the length of the first. Antennæ geniculated, first joint somewhat thick. Anal segment of the female elongated, bilobed. Fore femora thick, with a spine beneath towards the tip.

A. Tylus compressed, lengthened, porrect, acute, distinct from the upper apical process. Head, prothorax and the border of the abdomen unarmed. Side angles of the prothorax prominent, not rounded. Fore wings much shortened. - - -

DICROTELUS

B. Tylus elongated into a compressed spine, which touches the upper apical process. Head above, prothorax and border of the abdomen with little spines. Each side angle of the prothorax elongated outward into a spine; hind angles elongated and rounded backward. Fore wings extending to the tip of the abdomen; both areolets emitting a vein from the outer apical angle; the vein closing the hind areolet hindward abbreviated. - - -

NYLLIUS.

Subfam. 2. ECTINODERIDA.

A. Prothorax much elongated hindward and extending beyond the tip of the scutellum. Fore tibiae above with a groove for the reception of the joints of the short tarsi. Claws, at least the hind pair, toothed or with appendages. - - -

DIASPIDIUS.

B. Thorax not extending hindward beyond the tip of the scutellum. Fore tibiae with no apical furrow. Fore tarsi incrassated, not or hardly shorter than the hind tarsi. Claws simple.

a. First joint of the antennæ longer than any of the others, somewhat longer than the head; second joint shorter than the first. -

ECTINODERUS.

b. First joint of the antennæ shorter than any of the others, less than half the length of the head, second joint longest of all, thrice the length of the first. - - -

AMULICUS.

Subfam. 3. SALYAVATIDA.

A. Fore tibiae at the tips above with no oblong femora for the reception of the tarsi.

a. Fore tibiae dilated and leaf-like on each side. -

PETALODHIRUS

- b. Fore tibiae not dilated and leaf-like.
 * Head with a tooth or spine of variable size between the antennae. Antenniferous tubercles not elongated. - - -
 ** Head with no tooth or spine between the antennae. Antenniferous tubercles elongated. - - -
 B. Antenniferous tubercles slightly prominent. Fore tibiae simple, sometimes compressed, with a furrow for receiving the tarsi. -

LIRAZ

SALTAVA

VALERI

Subfam. 4. APIOMERIDA.

- A. Middle tibiae with no apical furrow for receiving the tarsi. Hind tarsi long; fore tarsi most often longer.
 a. Head oval; ante-ocular and post-ocular parts equally long; antenniferous tubercles contiguous. Eyes not prominent beyond the hind part of the head. First joint of the antennae much longer than the second. Fore wings extending a little beyond the tip of the abdomen. - - -
 b. Head oblong, or elongated, antenniferous tubercles remote. Eyes prominent, more or less prominent beyond the post-ocular part of the head.
 * First joint of the rostrum not or a little shorter than the ante-ocular part of the head. Disk of the fore lobe of the prothorax unarmed.
 † Post-ocular part of the head hardly or a little longer than the ante-ocular.
 ‡ Head narrowly oval, a little longer than the half of the prothorax, with a rather acute tubercle on each side before the eyes; post-ocular part rather thick, perceptibly tapering hindward, the basal neck cylindrical and extremely short. First joint of the antennae short, slightly thickened, more slender at the base, a little longer than the ante-ocular part of the head; second about twice longer than the first. Prothorax slightly straightened at a little before the middle, a little depressed; apical angles with a stout spine or acutely conical tubercle extending obliquely forward and outward. Fore wings extending somewhat beyond the tip of the abdomen. Legs moderate; fore femora somewhat thickened, as long as the hind femora; fore tibiae almost straight, acute at the tips, and slightly obliquely curved outward, having a longitudinal groove for receiving the tarsi; middle tarsi longer than the fore tarsi and a little shorter than the hind tarsi.

MICRAUCHEN

POKERO

H Head somewhat shorter than the prothorax, oblong or hardly elongated, with a rather obtuse tubercle on each side before the eyes; basal neck cylindrical, short. First joint of the antennæ very slightly thickened, longer by half or nearly twice longer than the ante-ocular part of the head; second joint about as long as the first or a little longer. Prothorax slightly straightened at a little before the middle.

F Fore femora and hind femora equally long, the former somewhat thickened; fore tibiæ long, almost straight, obliquely curved and with a broad and shallow furrow at the tips. Apical angles of the prothorax with a rather obtuse tubercle. Fore wings extending somewhat beyond the tip of the abdomen. First and third joints of the antennæ equally long, a little shorter than the second. Tubercles of the head before the eyes thickly hairy. Apical process of the anal segment of the male entire and roundly truncated at the tip.

BENANUS.

F Fore femora somewhat longer than the hind femora, thickened, slightly curved as seen sideways, slightly tapering behind the middle; four hinder femora slightly thickened before the middle, very slightly curved downward before the middle and upward behind the middle, with a short slight furrow at the tips above. Hind angles of the prothorax with a porrect rather thick spine. Fore wings hardly extending beyond the tip of the abdomen. Apical process of the anal segment of the male bifid at the tip.

AMAUBOCLORIUS.

P Post-ocular part of the head about twice longer than the ante-ocular part. Fore wings extending much beyond the tip of the abdomen. First joint of the antennæ about thrice longer than the ante-ocular part of the head.

H Head and prothorax about equal in length, the former hardly concave between the eyes, with a distinct tubercle on each side before the moderately prominent eyes. Neck cylindrical, rather long.

MANICOCORIS.

H Head somewhat shorter than the prothorax, hardly tuberculate between the very prominent eyes, transversely concave between the eyes. Neck cylindrical, less long.

CALLIOLOPIUS.

F First joint of the rostrum about half the length of the ante-ocular part of the head. First

†† Middle tibiæ almost straight, perceptibly thickened towards the tips; apical part abruptly incurved and tapering. Eyes distinctly more remote in front than behind, their interior borders distinctly converging hindward. Ocelli almost twice more remote hindward than the eyes. Fore femora and fore coxæ together equal in length to the hind femora and hind coxæ, and as long also as the fore tibiæ. - - - - -

CALLIBDALLUS.

** Antennæ rather thick, somewhat short; third and fourth joints slightly thickened, a little longer than the first joint. Ocelli less remote than the eyes. Hind lobe of the prothorax twice longer than the fore lobe; hind angles somewhat elongated hindward. Scutellum slightly transverse, rounded at the tip. Anterior tibiæ somewhat thickened; fore tibiæ straight; middle tibiæ slightly curved. Body very long. - - - - -

SPHODROLESTES.

Subfam. 5. STENOPODIDA.

A. Fore wings seldom shortened, most often complete, and the discal areolet of moderate size, pentagonal or hexagonal.

a. Head with branched or forked spines on each side beneath behind the eyes.

* First joint of the antennæ thick, lengthened into a spine beyond the insertion of the second. Fore femora with long spines beneath on each side. Fore tibiæ with some long spines beneath on the inner side or on both sides. - - - - -

PNIRONTIS.

** First joint of the antennæ not thus lengthened into a spine.

† Prothorax more than twice longer than its breadth at the base. Parietes of the fore acetabula not elevated behind the insertion of the coxæ. Fore coxæ inserted in the apical part of the prostethium, very remote from its base. - - - - -

HARPAGOCHARIS.

†† Prothorax not or hardly twice longer than its breadth at the base. Parietes of the fore acetabula distinctly elevated and extending to the base of the prostethium.

‡ Tip of the head unarmed on each side at the base of the rostrum. First joint of the rostrum extending behind the eyes, almost twice longer than the third and fourth joints together. Fore femora unarmed, slightly thickened. - - - - -

PYGOLAMPIS.

†† Tip of the head lengthened on each side at the base of the rostrum into a short purrect obtuse spine. First joint of the rostrum extending to the hind border of the eyes, about equal in length to the third and fourth joints together. Fore femora somewhat incrassated, with little spines beneath in two series. - - - -

GNATHOBLEDA.

b. Head unarmed beneath or with simple spines, rarely with a basal lateral slightly forked spine.

* Ocelli not or but slightly elevated. Post-ocular part of the head not narrowed hindward, or but slightly and gradually so.

† Fore tibiae at the tips with a long spongy furrow.

† Body very narrow, much elongated. Head small, oblong, with a porrect obtuse little spine on each side at the base of the rostrum. Ante-ocular and post-ocular parts of the head almost equal in length, the latter a little broader than the former, hardly narrowed hindward, suddenly straightened at the extreme base on each side beneath with many rather stout spines, which are setigerous at the tips. Antennae short, inserted near the tip of the head, first joint much shorter than the head, extending far beyond its tip. First joint of the rostrum extending to the middle of the eyes, about equal in length to the third and fourth joints together. Eyes rounded, entire. Prothorax very long, subtruncate at the base, more than twice longer than the head, slightly narrowed forward from the base beyond the middle, slightly widened from thence to the tip, not straightened; side angles rounded, not prominent. Fore wings somewhat shorter than the abdomen, tip of the membrane lengthened into an acute angle. Abdomen of the male at least, with almost parallel sides, apical segment acutely bilobed at the tip in the male; lobes apart, lengthened hindward. Legs short; fore coxae a little longer than thick; fore femora thickened, with many little spines beneath; fore tibiae slightly shorter than the fore femora; hind femora extending a little beyond the hind border of the fourth abdominal segment. - - - -

CTENOTRACHELUS.

†† Body oblong. First joint of the rostrum about as long as the third and fourth together. First joint of the antennæ shorter than the head. Prostethium with distinct spines in front.

§ Head with no porrect apical spine; ante-ocular part a little longer and narrower than the post-ocular. Ocelliferous space not elevated. Prothorax as long as its breadth hindward; legs rather short; fore femora somewhat thickened, spiny beneath. - - -

STACCIA.

§§ Head with an apical porrect spine; cheeks acutely prominent in front, beneath on each side behind with a row of little spines; ante-ocular and post-ocular parts equally long; ocelliferous space elevated. Prothorax as long as its breadth hindward, much narrowed in front. Scutellum somewhat extended and spine-like at the tip. Legs slender, moderately long; fore femora not thick nor spiny. - - -

AGYLTA.

‡‡ Body somewhat elongated. Head oblong, unarmed on each side at the base of the rostrum, with no lower lateral spines, but with four little spines in the middle beneath between the eyes; ante-ocular part just longer than the post-ocular part. Eyes slightly transverse, slightly sinuated hindward. Antennæ short; first joint shorter than the head by almost more than half. First joint of the rostrum a little longer than the second; third just shorter than the second. Prothorax about as long as broad, moderately narrowed in front; slightly straightened in the middle, hind lobe hexagonal; lateral angles slightly acute. Fore wings just reaching the tip of the abdomen; tip of the membrane forming a slightly acute angle. Abdomen slightly widened, with rounded sides. Legs moderately long; fore femora somewhat thickened, with many little spines beneath; hind femora extending a little beyond the fourth abdominal segment.

APRONIA.

†† Fore tibiae with no spougy furrow.

‡ Antennæ rather long, first joint longer than the ante-ocular part of the head. Head cylindrical, about equal to the prothorax in length. Legs rather long; fore femora somewhat thickened, with little spines beneath; hind femora extending to or beyond the tip of the abdomen.

- § Ante-ocular part of the head more than twice or nearly thrice longer than the post-ocular. First joint of the rostrum a little shorter than the third and fourth joints together, somewhat shorter than the ante-ocular part of the head. Eyes slightly transverse.
- §§ Ante-ocular part of the head hardly or about twice longer than the post-ocular. Ocelli more remote from each other than from the eyes. - - - - - **SASTRAPADA.**
- §§§ Ante-ocular part of the head more than twice longer than the post-ocular. Ocelli equally apart from each other and from the eyes. - **STENOPODA.**
- §§§§ Ante-ocular part of the head somewhat longer than the post-ocular. First joint of the rostrum somewhat longer than the ante-ocular part, but not extending behind the eyes. First and second joints of the antennæ about equal in length to the third and fourth together. Eyes almost round. - - - **PROHIRMUS**
- ¶ Antennæ short; first joint shorter than the ante-ocular part of the head. Head cylindrical or almost cylindrical. Legs rather short; hind femora not reaching the tip of the abdomen.
- § Body and legs not granulated nor spiny, only the trochanters and femora of the fore legs with little spines beneath. Body somewhat elongated. Head and prothorax almost equally long. Head cylindrical, unarmed beneath, with no spine at the base of the rostrum; ante-ocular part almost thrice longer than the post-ocular, the latter a little thicker than the former. Eyes of moderate size, somewhat transverse, hardly sinuated behind. Antennæ short, inserted near the tip of the head; first joint short, hardly longer than the third part of the head. First and second joints of the rostrum almost equally long, the latter somewhat shorter than the ante-ocular part of the head. Prothorax as long as broad, sinuously narrowed in front, obtusely and very slightly straightened in the middle; hind lobe hexagonal; side angles rounded at the tips. Fore wings extending to the tip of the abdomen. Membrane at the tip ending in a rather indistinct angle. Abdomen slightly widened beyond the middle; hind borders obtusely prominent beneath; sides of the segments obtusely prominent on each side. Legs moderately stout; fore femora somewhat thickened. - **RHYFAROCLOPIUS.**

§§ Head, prothorax and legs granulated or spiny. Ante-ocular part of the head somewhat or hardly twice longer than the post-ocular part.

× Body wholly and thickly granulated; the grains highest and somewhat acute in the legs. Head rather thick, a little shorter than the prothorax; ante-ocular part somewhat longer and more slender than the post-ocular, the former with some obtuse little spines on each side beneath, the latter with five or six distinct spines on each side beneath, the hinder spines longest. Eyes almost transverse. First and third joints of the rostrum about equal in length; second almost longer than the first, first hardly shorter than the ante-ocular part of the head. Prothorax almost broader than long, sinuously narrowed in front, not straightened; fore angles with no tubercles or spines; lateral angles hardly prominent, rounded at the tips. Scutellum hardly longer than broad, not elongated. Abdomen on each side somewhat widened and rounded, broader than the fore wings, broadest in the middle; border entire. Fore femora somewhat thickened, with little spines beneath. - - -

PODORHUS.

×× Head above and on each side behind the eyes beneath, prothorax and legs spiny. Head somewhat slender, almost longer than the prothorax; ante-ocular part about twice longer than the post-ocular part, the former at the base, the latter in front, somewhat raised, the latter tapering hindward. Eyes very prominent, almost round. Rostrum somewhat slender; first joint with little spines. Prothorax almost equally long and broad, not straightened, sinuously narrowed in front, with a rather stout spine on each side before the middle, and with two little spines more in front; sides spiny; hind part tuberculated; lateral angles acutely prominent. Scutellum a little longer than broad, elongated not acutely at the tip, having there a much elevated tubercle. Abdomen somewhat rounded and widened on each side, broader than the fore wings, broadest in the middle; segments on the border near the tip widened into an acute dentiform lobe. Fore femora very slightly thickened. - - -

NEOTRICHUS.

b. Head unarmed beneath, a little shorter than the prothorax; post-ocular part short, rounded and much narrowed backward, broader than the ante-ocular. Ocelli on a somewhat elevated base. Eyes large, transverse, very approximate beneath. Antennae moderately long, first joint shorter than the head. Prothorax in front slightly sinuously narrowed; fore angles with a spine or acute tubercle; lateral angles acute, not or but slightly prominent. Scutellum acute, slightly elongated at the tip. Abdomen a little broader than the fore wings. Legs rather long; hind femora extending about to the tip of the abdomen or beyond it.

- * Fore femora much thickened. - - - ONCOCEPHALUS.
- ** Fore femora slightly thickened. - - - BOEBIUS.
- *** Fore femora unarmed, not thickened.
- † Ocelliferous part of the head somewhat elevated. Eyes very large.
- ‡ First joint of the rostrum as long as the ante-ocular part of the head. - - - CAUND.
- ‡ Ante-ocular part of the head a little longer than the post-ocular, not elongated in front of the antennae, with two porrect contiguous spines above between the antennae and extending beyond the tip of the head. First joint of the rostrum a little shorter than the third and fourth together, somewhat longer than the ante-ocular part of the head. Legs hardly long; fore femora unarmed, slightly thickened; hind femora hardly reaching the tip of the abdomen; hind tibiae with hardly long hairs. Prothorax distinctly broader than long; sides with no tubercle. - DIADITUS.
- ‡ Ante-ocular part of the head about twice longer than the post-ocular, somewhat elongated in front of the insertion of the antennae, above between the antennae with two little spines, which are almost erect or slightly inclined forward. First joint of the rostrum somewhat shorter than the ante-ocular part of the head; second as long or longer than the first. Prothorax almost equally long and broad; lateral borders more or less distinctly tuberculate in the middle.
- § First and second joints of the rostrum equally long. Fore femora unarmed, very slightly thickened. Hind femora extending beyond the tip of the abdomen. - - - NARVESUS.
- § First joint of the rostrum shorter than the second. Fore femora rather much thickened,

spinulose beneath. Hind femora extending to the tip of the abdomen. - -

†† Ocelliferous part of the head not elevated. - -

B. Fore wings complete; discal areolet very large, almost triangular.

a. First joint of the rostrum hardly shorter than the third and fourth together. Fore lobe of the prothorax with no spine on each side behind.

b. First joint of the rostrum distinctly shorter than the third and fourth together. Fore lobe of the prothorax with a lobe on each side behind. - - - -

SPILALONIUS.
ARGOLIS.

THODELMUS.

CANTHESANOUS.

Subfam. 6. ECTRICHODIDA.

A. Body not or slightly depressed. Second joint of the antennæ simple. Middle and hind legs equally apart, or the former more remote than the latter.

a. First joint of the rostrum shorter than or as long as half the length of the head, not extending behind the eyes.

* Scutellum broad or rather broad at the tip.

† Scutellum with three or four points at the tip.

‡ Antennæ 6-jointed. Scutellum with four apical points; the middle pair very short. - -

†† Antennæ 8-jointed. Scutellum with three points at the tip, the middle one very short. - -

††† Scutellum with two points at the tip.

‡ Head oval or ovate, more or less deflexed. Second joint of the rostrum moderately long.

§ First and second joints of the rostrum almost equally long, or the former a little longer or shorter than the latter. Antennæ 6-jointed.

× Head elevated about the antennæ. Eyes rather prominent. First joint of the antennæ not or little shorter than the head.

×× Head not elevated about the ocelli. Eyes very slightly prominent. First joint of the antennæ shorter than half the length of the head. - -

§§ Antennæ with seven or eight joints.

× Antennæ 7-jointed. - - - -

o First joint of the rostrum longer than the second.

oo First and second joints of the rostrum almost equally long, or the second shorter than the first. - - - -

†† Head elongated, porrect. Second joint of the rostrum very long. - - - -

§ Scutellum narrow at the tip and furnished with two points at a little distance or almost contiguous.

× Antennæ 4-jointed. - - - -

×× Antennæ 7-jointed or 8-jointed.

CENTRASPIS.

LARYMNA.

MICROSTEMMA.

MENDIS.

SCADRA.

CLEPTRIA.

CIMBUS.

ZIRTA.

| | |
|--|---------------|
| c Antennæ 7-jointed. | MINDARUS. |
| cc Antennæ 8-jointed. | |
| → Second joint of the antennæ not or a little longer than the first. Lobes of the prothorax equally long, or the fore one longer than the hind one. Anterior femora thickened, spiny or tuberculate beneath. | ECTRICHODIA. |
| →→ Second joint of the antennæ much or almost twice longer than the first. Hind lobe of the prothorax about twice longer than the fore lobe. Anterior femora unarmed, not thickened. | NULANDA. |
| →→ Apical joint of the hind tarsi longer than the second. | DARAXA. |
| →→→ Second and third joints of the hind tarsi equally long. | RHIGINIA. |
| b. First joint of the rostrum longer than half the length of the head, extending behind the eyes. | |
| * First joint of the rostrum almost equal in length to the third and fourth together. Fore lobe of the prothorax spinulose and with a process which extends in front beyond its tip. | CÆCINA. |
| ** First joint of the rostrum longer than the third and fourth together. Prothorax with no process in front. | |
| † First joint of the antennæ hardly or a little shorter than the head, and extending much beyond its tip. | SANTOSIA. |
| †† First joint of the antennæ shorter at least by half than the head and extending hardly or a little beyond its tip. | POTHEA. |
| B. Body depressed. Second joint of the antennæ composed of many closely compacted joints. Hind legs more apart than the middle legs. | |
| a. Ante-ocular part of the head more than twice longer than the post-ocular part. Antennæ remote from the eyes. | HAMMATOCERUS. |
| b. Ante-ocular part of the head short, not or hardly longer than the intra-ocular part. Antennæ inserted near the eyes. | HOMALOCORIS. |

Subfam. 7. ACANTHASPIDA.

- A. Head porrect, very often much elongated in front. Antenniferous tubercles slightly prominent beyond the sides of the head. Antennæ seated on the sides or in the upper side-borders of the head.
- a. Ocelli and eyes nearly equally remote, or the ocelli more apart than the eyes.
- * Ante-ocular part of the head much longer than the post-ocular part.

† **Head** slightly elongated in front of the eyes; antocular and post-ocular parts nearly equally long. Eyes and ocelli nearly equally far apart. Antennæ rather short, inserted by the eyes; first joint not extending beyond the tip of the head. Antenniferous tubercle with a little spine on the outer side. First joint of the rostrum a little longer than the third and fourth together.

‡ **Ocelli** almost obsolete, hardly discernible. Head longer than the prothorax, tumid behind the eyes. Antennæ short; first joint shorter by half than the head in front of the insertion of the antennæ. First joint of the rostrum a little longer than the second. Scutellum with an obtusely dentiform process on each side near the base. Femora somewhat thickened, with two or three little spines beneath near the tips.

BELMINUS.

‡ **Ocelli** distinct. Scutellum unarmed on each side at the base. Femora not or but slightly thickened. Antennæ moderate.

§ **Antennæ** remote from the eyes.

× **Antennæ** seated near the tip of the head and about thrice nearer to it than to the eyes. Head longer than the prothorax. First and third joints of the rostrum short, almost equally long; second very long, nearly four times longer than the first. - - -

RHODNIUS.

×× **Antennæ** variously inserted, remote from the tip of the head, sometimes seated a little more remote from the eyes than from the tip of the head.

○ **Fore lobe** of the prothorax with two spines in the disk; side angles of the hind lobe ending in an acute spine. Scutellum lengthened at the tip into a long acute slightly reflexed spine. Antennæ seated a little more remote from the eyes than from the tip of the head. First joint reaching or almost reaching the tip of the head. First joint of the rostrum a little shorter than the second. - - -

ERATYRUS.

∞ **Fore lobe** of the prothorax sometimes tuberculate, never acutely spiny; lateral angles of the hind lobe rounded. Scutellum lengthened at the tip into an acute spine.

→ **Body** with short hairs. Prothorax distinctly straightened; lateral angles of the hind lobe a little prominent; fore lobe quadratuberculate; middle tubercles high, conical. - - -

MECOUS.

→ **Body** smooth. Prothorax sinuated on each side, not or but slightly straightened; fore lobe sometimes with minute tubercles; lateral angles of the hind lobe not prominent. - - -

CONORHINUS.

- + + + Prothorax slightly straightened in the middle. Tip of the scutellum attenuated into a rather long spine. Legs a little apart; femora slightly incrassated, spinulose beneath; fore tibiae with no spongy furrow; hind tibiae somewhat longer than the femora. - - - VOCORIA.
- X X Antennae seated near the eyes, thrice or four times more remote from the tip of the head than from the eyes. - - - LAMUS.
- †† Head somewhat tumid behind the eyes. Prothorax forming two little lobes at the basal angles of the scutellum. - - - SPIRODEBA.
- b. Ocelli much less apart than the eyes. Head thick, cylindrical. First joint of the rostrum as long as the third and fourth together. Antennae seated near the tip of the head. - - - TIARODES.
- c. Head produced and somewhat cone-like before the eyes. Antennae seated behind the middle of the ante-ocular part of the head.
- * Process of the prosternum broad, flat. Hind legs very remote, seated near the sides of the body; all the femora incrassated, spinulose beneath. DUCOMDA.
- * Process of the prosternum convex. Hind legs very remote, seated near the sides of the body. OPINUS.
- ** Process of the prosternum furrowed. Hind legs moderately far apart, somewhat remote from the sides of the body.
- † Hind femora and hind tibiae nearly equally long, or the tibiae a little shorter than the femora. - SMINTHUS.
- †† Hind tibiae distinctly longer than the hind femora. - - - LEMUS.
- B. Head most often somewhat deflexed. Antenniferous tubercles not prominent beyond the sides of the head. Antennae seated on the upper part of the head, sometimes on the sides.
- a. Fore tibiae with a spongy apical furrow.
- * Head abruptly deflexed before the large eyes. Antenniferous tubercles freely prominent.
- † Antenniferous tubercles with an apical little spine. Second joint of the rostrum four times longer than the third. Process of the prosternum narrowly extending a little behind the fore coxae. - - - SPHERIDOPS.
- †† Antenniferous tubercles unarmed. Second joint of the rostrum hardly longer than the third. First joint of the antennae just longer than the head; second hardly twice longer than the first. Prosternum excavated, very obtusely rounded behind. - - - VEXILLIS.
- ** Head somewhat extended before the eyes.
- † Head with the eyes nearly equally as broad as long.

- † Head before the eyes with a broad process, which is emarginate in front. Scutellum with an obtuse tooth on each side at the base. - CETHRA.
- ‡ Scutellum unarmed at the base, with an erect spine on the disk. - MACROPS.
- † Head longer than its breadth with the eyes.
- † Head with a rather long cylindrical neck. First joint of the rostrum as long as the third and fourth together. Fore tibiae with hardly any spongy furrow, that of the middle tibiae small. - CENTROCNEMIS.
- ‡ First joint of the rostrum shorter than the third and fourth together.
- § Scutellum spiny on each side at the base. - PLATYMERIS.
- § Scutellum unarmed at the base.
- X Fore lobe of the prothorax with two spines or tubercles on the disk.
- Fore lobe of the prothorax unarmed on each side at the base. - TETROZIA.
- Fore lobe of the prothorax with a spine or tubercle on each side at the base.
- Ocelli far from the eyes. - SPINIGER.
- Ocelli near the eyes. Second joint of the rostrum hardly longer than the first. First joint of the antennae hardly extending beyond the head. Fore angles and hind angles of the prothorax with a spine. Scutellum with an oblique apical spine. Legs long, slender; fore femora unarmed, not incrassated. Spongy furrow of the fore tibiae elongated. - VELLEJUS.
- XX Fore lobe of the prothorax unarmed on the disk.
- Ocelli large, very near the eyes.
- Second joint of the rostrum much longer than the first. - OPSICOETUS.
- Second joint of the rostrum hardly or a little longer than the first. - VARUS.
- Ocelli remote from the eyes.
- Fore coxae distinctly prominent near the hind border of the prosternum.
- Femora unarmed on each side beneath at the extreme tip.
- Ante-ocular and post-ocular parts of the head equally long, or the post-ocular shorter than the ante-ocular. - ACANTHASPIS.
- Ante-ocular part of the head a little longer than the post-ocular, which is slightly swelling. First joint of the antennae short, hardly reaching the tip of the head. First joint of the rostrum and ante-ocular part of the head equally long; second joint somewhat longer than the first. - PASTRA.
- Femora on each side beneath at the extreme tip with a little spine or small acute tooth. - LEOGORGUS.

- ++ Fore coxæ not or hardly prominent by the hind border of the prostethium.
- Head hardly swelling on each side behind the eyes.
- ↪ Prothorax rounded hindward. Scutellum somewhat elongated at the tip, longer than broad.
- ↪ Prothorax truncated in the middle of the hind border; hind lobe hexagonal. Scutellum very slightly elongated, a little shorter than broad.
- +++ Head slightly tumid on each side behind the eyes.
- b. Fore tibiæ with no spongy apical furrow.
- * Head with no spine between the antennæ.
- † Fore femora and fore tibiæ spinulose or denticulate beneath.
- †† Fore femora and fore tibiæ unarmed.
- ** Head with a somewhat long spine between the antennæ. Eyes seated before the middle of the head. No ocelli. First and second joints of the rostrum equally long. First joint of the antennæ extending beyond the tip of the head. Hind lobe of the prothorax with four spines. Scutellum with a rather long apical spine. Legs rather long; fore femora incrassated; fore tibiæ denticulated beneath, curved inward at the tips.

VELITER.

CERILOCUS.
PHONERGATES.NALATA.
HOLOTRICHUS.

VESOLA.

Subfam. 8. PISATIDA.

- A. Middle tibiæ with no spongy furrow. Head long, perfect.
- B. Middle tibiæ with a spongy furrow.
- a. Anter. or tibiæ convex above.
- * Neck of the head unarmed, with no lateral tubercle.
- † Head rather abruptly straightened behind the eyes.
- † Ocelliferous part of the head elevated. Posterior tibiæ a little remote at the base, contiguous at the tips.
- § Fore femora spinulose beneath; spongy furrow occupying about one-third of the length of the tibiæ.
- §§ Fore femora not spinulose beneath; spongy furrow of the anterior tibiæ rather small. Apical joint of the hind tarsi shorter than the first and second joints together. First and second joints of the antennæ rather thick; third slightly thickened at the base; first extending a little beyond the tip of the head. Prothorax straightened a little behind the middle; fore angles with no tubercles. Scutellum equal in length and breadth, slightly elongated at the tip.

SIBTHENKA.

LESTOMERUS.

MICROSANDALUS.

| | | |
|----|--|-----------------------------|
| ‡ | Ocelliferous part of the head not or scarcely elevated. Middle coxae rather remote. Anterior femora unarmed. | THYMBRUS. |
| †† | Head tumid behind the eyes, abruptly straightened hindward. | |
| ‡ | Third joint of the hind tarsi as long as the first and second joints together. Ocelliferous part of the head slightly elevated. | PIRATES. |
| ‡‡ | Third joint of the hind tarsi longer than the first and second joints together. Ocelliferous part of the head not elevated. | FUSIUS. |
| ** | Neck of the head with a more or less elevated tubercle on each side. | |
| † | Fore femora beneath compressed, widened. | PHALANTUS. |
| †† | Fore femora convex beneath, not widened. | |
| ‡ | Apical spongy part of the fore tibiae lengthened into a plate, which is a little longer than half the length of the fore tarsi. | TYDIDES. |
| ‡‡ | Apical spongy and lengthened part of the fore tibiae shorter by more than half than the fore tarsi. | |
| § | Ante-ocular and post-ocular parts of the head equally long. Body narrow. | PHORUS. |
| §§ | Ante-ocular part of the head longer than the post-ocular part. | |
| × | Body oblong-ovate. Prothorax granulated; hind angles prominent, not rounded at the tips. | |
| × | Body elongate or very oblong. Prothorax not granulated; hind angles rounded at the tips. | CATAMIARUS. |
| o | Spongy furrow more than half the length of the tibia, sometimes almost as long as the latter. | |
| + | Scutellum subequilateral or shorter than broad, not with an apical spine. | ECTOMOCORIS. |
| ++ | Scutellum longer than broad, elongated at the tip, sometimes rather reflexed. Prothorax very distinctly straightened somewhat behind the middle, in short-winged females long behind the middle. | |
| — | Scutellum forming at the tip a long, slender, sub-filiform, obtuse, slightly reflexed spine. Third joint of the hind tarsi distinctly shorter than the second or than the first and second together. | CALLISPHODRUS. |
| — | Scutellum somewhat elongated at the tip. Third joint of the hind tarsi as long as the first and second together. | MACROBANDALUS. |
| oo | Spongy furrow hardly half the length of the fore tibia, a little more than one-third of the length of the middle tibia. | |
| × | Fore lobe of the prothorax compressed on the hind border. | CLEPTOCORIS. SPHEUDROCORIS. |
| × | Fore lobe of the prothorax not compressed on the hind border. | SPILODERMUS. |
| b. | Fore tibiae broad, flat above. | ANDROCLUS. |

Subfam. 9. TRIBELOCEPHALIDA.

- A. Head with no apical spine. First joint of the antennæ as long as or longer than the length of the head. - OPISTHOPLATYS.
 B. Head above with a subapical porrect spine. First joint of the antennæ shorter than the head. - TRIBELOCEPHALA.

Subfam. 10. HOLOPTILIDA.

Subfam. 11. SAICIDA.

- A. Prothorax with a spine before the hind angles. Fore tibiæ curved. - SAICA.
 B. Head above with some rather long spines. Prothorax unarmed. Fore tibiæ almost straight. - TAGALIS.

Subfam. 12. BACTRODIDA.

BACTRODES.

Subfam. 13. PLOIARIDA.

PLOIARIA.

Subfam. 14. EMESIDA.

- A. Fore femora with a long spine beneath in the middle or before the middle, thickly spiny behind that spine, very generally unarmed before it, seldom with two little spines or with one. Fore tibiæ and fore tarsi together shorter than the femora, extending to or hardly beyond the large spine of the latter.
 a. The large spine of the fore femora in the middle or a little before the middle of them. Fore tibiæ and tarsi together shorter by about half than the fore femora.
 * Prothorax extending over the mesothorax. Fore femora with a long spine beneath in the middle. Fore tarsi with three connate joints and with two claws. - EMESA.
 ** Prothorax extending only over a little of the mesothorax. Fore femora with a long spine at somewhat before the middle. Fore tarsi with one joint and with one claw. - GHILIANELLA.
 b. Head oval; post-ocular part not or hardly thicker than the ante-ocular part. First joint of the antennæ as long as or somewhat shorter than the whole length of the thorax. Fore trochanters unarmed. Fore femora with a long spine rather far before the middle. Fore tibiæ and fore tarsi together shorter by the third part or by the fourth part than the fore femora. Fore tibiæ denticulated beneath. Fore tarsi with one joint and

with one claw. Posterior legs moderately long. Hind femora not or hardly extending beyond the tip of the abdomen.

- First and second joints of the rostrum equal in length; third hardly shorter than the first and second together. Prothorax hardly twice longer than the head, extending over the mesothorax, very slightly straightened before the elongated part; sides of the fore lobe parallel; hind lobe a little broader than the fore lobe. Fore coxae shorter by about one-fourth than the prothorax. Fore wings entire, extending beyond the middle of the abdomen. - - - - -
- Wingless. Prothorax longer by half than the head, as long as the mesothorax and the metathorax together, extending a little over the tip of the mesothorax, narrowed hindward, very slightly straightened near the hind border. Mesothorax and metathorax nearly equally long.
- † Head with a little tooth near the tip. First and second joints of the rostrum equally long, shorter together than the third. Fore coxae a little longer than the prothorax. - - - - -
- †† Head with two spines near the tip. First joint of the rostrum rather thick, slightly compressed, much longer than the second; second shorter than the third. Fore coxae hardly as long as the prothorax. - - - - -
- B. Fore femora spinulose beneath; no long spine or one quite at the base. Fore tibiae and fore tarsi together as long as or hardly longer than the fore femora.
- a. Winged. Prothorax covering the mesothorax.
- * Fore femora twice longer than the fore tibiae. Fore tarsi a little longer than the fore tibiae. - - - - -
- Fore femora longer by half than the fore tibiae. Fore tarsi shorter than the fore tibiae. - - - - -
- b. Wingless. Prothorax covering the tip of the mesothorax. - - - - -

BARON.

CARABIDIS.

BAROXLIA.

ORTHUNGA.

TINNA.

CERASOPTUS.

Fam. 1. HOLOPTILIDÆ.

Serv. Hist. Hem. xlii. 318. *Holoptilida*, *Stal, Hem. Afr.* iii. 44.

Genus 1. MAOTYS.

Ptilocerus, *Gray, Zool. Misc.* 1831, 34—*Maotys*, *Serv. Hist. Hem.* 318.

1. MAOTYS FUSCUS.

Ptilocerus fuscus, *Gray, Zool. Misc.* 1831, 34—*Maotys fuscus*, *Serv. Hist. Hem.* 318, pl. 6, f. 4. *H.-Sch. Wanz. Ins.* ix. 135, pl. 207, f. 946.

Holoptilus (Ptiloenemus) fuscus, *Westw. Trans. Ent. Soc. Lond.* ii. 232, pl. 22, f. 8.

Nepaul. Java.

a. Philippine Isles. From Mr. Wood's collection.

2. MAOTYS VIVERRA.

Mas. Fulvus; alæ anticæ albidae, fascia lata informi guttis tribus costalibus exterioribus plagaque subapicali dentata discali atris.

Holoptilus viverra, *Westw.*

Male. Tawny. Antennæ and legs thickly fringed on both sides with long bristles. Fore wings whitish, with a broad irregular deep black band, with three exterior deep black costal dots, and with a deep black subapical discal dentate patch, which has a little deep black streak on its inner side. Length of the body $2\frac{1}{2}$ lines.

a. Hindostan.

3. MAOTYS MELANOSPILUS.

Fem. Pallide testaceus; alæ anticæ albæ, parce punctatæ, fascia valde informi guttis quinque costalibus lituraque discali subapicali atris.

Female. Pale testaceous. Head and legs thickly fringed with fine bristles. Abdomen keeled beneath. Fore wings white, thinly punctured; markings deep black; a very irregular band near the base; five costal dots, one before the band, the others beyond the band, the fifth connected with a subapical discal mark. Length of the body 2 lines.

a. Hindostan. From the Entomological Society's collection.

4. MAOTYS VENOSUS.

Mas. Testaceus; alæ anticæ macula transversa costali strigulaque interiori atris.

Male. Testaceous. Antennæ and hind tibiae very thickly fringed with long bristles; femora and four anterior tibiae less thickly fringed and with shorter bristles. Abdomen fringed with hairs on each side. Fore wings with two long areolets in the disk, with nine costal areolets and with about six at the tip and along the interior border; a little deep black streak very near the base and on the inner side of a transverse deep black spot, which extends from the costa to half the breadth. Length of the body $2\frac{1}{2}$ lines.

a. Singapore. Presented by W. W. Saunders, Esq.

5. MAOTYS SUBANNULATUS.

Mas. Testaceus; alæ anticæ fulvæ, cinereo guttatæ, costa tuberculo post-medio piceo.

Male. Testaceous. Antennæ, femora and four anterior tibiae thickly fringed on both sides with long bristles, hind tibiae very thickly fringed. Fore wings tawny, cinereous at the base and along most of the costa; disks of some of the areolets cinereous; costa piceous and tumid at a little

beyond the middle; areolets fewer than those of *M. guttifer* and of *M. venosus*; two long areolets in the disk. Length of the body 2 lines.

a. Java. Presented by J. C. Bowring, Esq.

6. MAOTYS GUTTIFER.

Fœm. Testaceous; *alæ anticae fusciscentis subnebulosæ, basi albida, macula costali transversa nigro-fusca, areolis sex costalibus.*

Female. Testaceous. Antennæ and hind tibiæ thickly fringed on both sides with long bristles; femora and four anterior tibiæ with fewer and shorter bristles. Fore wings slightly mottled with pale brown, whitish at the base, with six costal areolets and with about as many along the interior border; two long areolets in the disk, a transverse blackish brown spot extending from the costa to the fore long areolet. Length of the body $2\frac{1}{2}$ lines.

a. Sarawak. From Mr. Wallace's collection.

7. MAOTYS SIMPLEX.

Fœm. Testaceous; *alæ anticae basi albæ, costa biareolata fusco unimaculata, areolis tribus mediis duabusque apicalibus.*

Female. Testaceous. Antennæ and hind tibiæ thickly clothed with long hairs; femora and four anterior tibiæ with short hairs. Fore wings white at the base; two costal areolets beyond the white part, the first including a brown spot at its base; three long areolets, two in the disk, one on the interior border; two apical areolets. Length of the body $2\frac{1}{2}$ lines.

The fewer areolets of the fore wings distinguish it from the other species here described.

a, b. Java. Presented by J. C. Bowring, Esq.

c. Java. From Mr. Stevens' collection.

Genus 2. PTILOCNEMUS.

Ptilocnemus, Westw. *Trans. Ent. Soc. Lond.* ii. 252. *Serv. Hist. Hem.* 319.

1. PTILOCNEMUS LEMUR.

Holoptilus (*Ptilocnemus*) *Lemur*, Westw. *Trans. Ent. Soc. Lond.* ii. 252, pl. 22, f. 7—*Ptilocnemus Lemur*, *Serv. Hist. Hem.* 320.

a—c. Tasmania. Presented by W. W. Saunders, Esq.

f. Hunter's River. Presented by W. W. Saunders, Esq.

g—i. Tasmania. From Dr. Hooker's collection.

m, n. Tasmania. From Mr. Walker's collection.

o. Tasmania.

p. Swan River. From Mr. Children's collection.

q. Moreton Bay. From Dr. Bacon's collection.

r. Moreton Bay. From Mr. Diggles' collection.

s. Moreton Bay. From Mr. Stevens' collection.

t. South Australia. Presented by R. Bakewell, Esq.

u. Australia, N.W. Coast. From Mr. Dring's collection.

v. Australia. Presented by H. G. Harrington, Esq.

w. Australia. Presented by the Entomological Club.

2. PTILOCNEMUS SIDNICUS.

Sidnicus, *Mayr, Verh. Zool. Bot. Ver. Wien.* xv. 437; *Reise Novara, Hem.* 142, pl. 3, f. 36.

Sydney.

3. PTILOCNEMUS AFFINIS.

Holoptilus (Ptilocnemus) affinis, *Westw. Trans. Ent. Soc. Lond.* ii. 253.
Java.

Genus 3. HOLOPTILUS.

Holoptilus, *St. Farg. et Serv. Enc. Meth.* x. 280. *De Lap. Hem.* 7.
Burm. Handb. Ent. ii. 248. *Westw. Trans. Ent. Soc. Lond.* ii. 251.
Blanch. Hist. Nat. Ins. iii. 109. *Serv. Hist. Hem.* 320. *Stal, Hem.*
Afr. iii. 45. *Lasiocera, De Lap. Ess.* 47.

Div. 1.

1. HOLOPTILUS URSUS.

Ursus, *St. Farg. et Serv. Enc. Meth.* x. 280. *De Lap. Hem.* 7, pl. 54, f. 1.
Burm. Handb. Ent. ii. 248. *Westw. Trans. Ent. Soc. Lond.* ii. 251,
pl. 22, f. 6. *Blanch. Hist. Nat. Ins.* iii. 109. *Serv. Hist. Hem.* 321.
Stal, Hem. Afr. iii. 45.

Cape.

2. HOLOPTILUS VULPES.

Vulpes, *Stal, Hem. Afr.* iii. 46.

Natal.

2. HOLOPTILUS NEBULOSUS.

nebulosus, *Stal, Hem. Afr.* iii. 46.

Natal.

Div. 2.

Orthocnemis, *Westw. Trans. Ent. Soc. Lond.* iv. 121.

4. HOLOPTILUS BASALIS.

H. (Orthocnemis) basalis, *Westw. Trans. Ent. Soc. Lond.* iv. 122, pl. 7, f. 5.
Adelaide.

Fam. 2. PIRATIDÆ.

Piratidæ, *Serv. Hist. Hem.* 321—Reduvidæ p. and Nabidæ, *Fieb. Dougl.*
and Scott.—Nabida, *Stal, Hem. Afr.* iii. 37—Piratida, *Stal, Hem.*
Afr. iii. 112.

Genus 1. LESTOMERUS.

Lestomerus, *Serv. Hist. Hem.* 322. *Stal, Hem. Afr.* iii. 114.

Africa.

1. LESTOMERUS SPINIPES.

Pirates spinipes, *Serv. Ann. Sci. Nat.* xxiii. 216—*Lestomerus spinipes*, *Serv. Hist. Hem.* 323. *Stal, Hem. Afr.* iii. 114; *Ofv. K. V. Ak. Forh.* xxiii. 253.

Senegal.

c. Sierra Leone. Presented by the Rev. D. F. Morgan.

2. LESTOMERUS OCHROPUS.

Pirates ochripes, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 38—*Lestomerus ochropus*, *Stal, Hem. Afr.* iii. 114; *Ofv. K. V. Ak. Forh.* xxiii. 253.

Natal.

3. LESTOMERUS ÆNEICOLLIS.

æneicollis, *Schaum, Bericht, Kong. Preuss. Akad. Wiss.* 1853, 358. *Peters, Nat. Reise, Mozamb.* 47, pl. 2, f. 8. *Stal, Ofv. K. V. Ak. Forh.* xxiii. 253.

Mozambique.

Asia and Eastern Isles.

Div. 1.

| | | | | | | |
|--|---|---|---|---|---|--------------|
| A. Wholly black. | - | - | - | - | - | affinis. |
| B. Black, partly piceous. | - | - | - | - | - | picipennis. |
| C. Not wholly black, or black and piceous. | | | | | | |
| a. Connexivum not red. | | | | | | |
| * Hind femora black. | - | - | - | - | - | femorialis. |
| † Fore wings with no luteous patch. | | | | | | |
| †† Fore wings with a luteous patch. | - | - | - | - | - | formicarius. |
| ** Hind femora yellow. | - | - | - | - | - | flavipes. |
| b. Connexivum red. | | | | | | |
| * Legs piceous. | - | - | - | - | - | diffinis. |
| ** Legs red. | - | - | - | - | - | diversus. |

4. LESTOMERUS AFFINIS.

Pirates affinis, *Serv. Ann. Sci. Nat.* 1831, 2—*Lestomerus affinis*, *Serv. Hist. Hem.* 323. *Stal, Ofv. K. V. Ak. Forh.* xxiii. 253.

Java.

Var.? Form. *Niger, subfusiformis*; caput conicum, prothoracis lobo antico æquilongum; prothoracis lobus posticus tenuissime carinatus; abdomen piceum; femora antica subtus serrata.

Female. Black, subfusiform. Head conical, as long as the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular.

Antennæ much longer than the head and the prothorax together; first joint as long as the ante-ocular head; second about twice as long as the first; third as long as the second; fourth a little shorter than the third. Fore lobe of the prothorax rather longer than the hind lobe; longitudinal furrows distinct. Hind lobe with a very slight longitudinal ridge. Abdomen piceous. Legs stout; fore femora serrated beneath; furrow beneath the four anterior tibiæ rather less than half the length of the latter. Hind wings pellucid. Length of the body 10 lines.

a. Hindostan. From Archdeacon Clerk's collection.

6. LESTOMERUS PICEIPENNIS.

Mas. *Niger, longi-subfusiformis, subtus piceus; caput conicum, prothoracis lobo antico paullo brevius, venter carinatus; femora quatuor anteriora incrassata, serrata; alæ anticæ piceæ.*

Male. Black, elongate-subfusiform, piceous beneath. Head conical, a little shorter than the fore lobe of the prothorax; ante-ocular part about twice as long as the post-ocular. Fore lobe of the prothorax much longer than the hind lobe; longitudinal furrows well defined. Scutellum compressed towards the tip; disk concave. Abdomen keeled beneath. Four anterior femora incrassated, serrated beneath. Fore tibiæ with a short apical furrow beneath. Fore wings piceous. Length of the body 8 lines.

a. Java. Presented by J. C. Bowring, Esq.

6. LESTOMERUS FEMORALIS.

Fœm. *Cyaneo-niger, caput conicum, prothoracis lobo antico brevior; antennæ capite prothoraceque ad unum longiores; prothorax margine antico bituberculato, lobo postico scabro; pectoris spina fulva; femora quatuor anteriora fulva; alæ nigrae.*

Female. Bluish black, elongate-subfusiform, shining. Head conical, shorter than the fore lobe of the prothorax; ante-ocular part twice longer than the post-ocular. Ocelli seated on a tubercle. Antennæ longer than the head and the prothorax together; first joint a little more than half the length of the second; third shorter than the second; fourth as long as the second. Fore lobe of the prothorax with a tubercle on each side of the fore border, hardly twice the length of the second, with distinct furrows and with a concave depression on each side in front. Hind lobe scabrous. Propectus with a tawny retracted very stout spine. Four anterior femora towards the base and fore coxæ tawny, the former with minute spines beneath. Four anterior tibiæ clavate. Wings black, not extending to the tip of the abdomen. Length of the body $10\frac{1}{2}$ lines.

a, b. Shanghai. From Mr. Fortune's collection.

c. Hong Kong. Presented by J. C. Bowring, Esq.

7. LESTOMERUS DIFFINIS.

Mas et fœm. *Cyaneo-niger; caput conicum, prothoracis lobo antico brevior; antennæ capite et prothorace ad unum longiores; connexivum rufum; pedes nigro-piceï; alæ nigrae.*

Male and female. Bluish black, elongate-subfusiform. Head conical, convex about the ocelli, shorter than the fore lobe of the prothorax: ante-ocular part about twice longer than the post-ocular. Antennæ pubescent, black, longer than the head and the prothorax together; first joint less than half the length of the second; third a little longer than the second; fourth shorter than the second. Fore lobe of the prothorax about twice the length of the hind lobe; furrows distinct. Connexivum red. Legs black, piceous, four anterior femora with minute spines beneath; four anterior tibiae clavate; spongy furrow of the fore tibiae less than half the length of the latter. Wings black. Length of the body 8—9 lines.

—g. Hindostan. From the collection of the Entomological Society.

8. LESTOMERUS FLAVIPES.

His. Viridis; caput conicum, prothoracis lobo anteo paullo brevior; antennæ piceæ, capite et prothorace ad unum longiores, articulo 1o luteo; prothoracis lobus posticus cupreus; scutellum marginatum; pedes flavi, tibiis quatuor anterioribus apice piceis; alæ anticae viridi-nigrae; alæ posticae diaphanae.

Male. Metallic-green, shining, elongate-fusiform. Head conical, tumid about the ocelli, a little shorter than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennæ piceous, setulose, longer than the head and the prothorax together; first joint luteous, hardly half the length of the second; third much shorter than the second. Fore lobe of the prothorax with seven distinct keels, rather less than twice the length of the hind lobe, which is cupreous. Scutellum with a rim on each side, compressed at the tip. Propectus keeled. Legs yellow; four anterior femora dentate beneath; four anterior tibiae clavate, piceous at the tips, their furrow beneath very short. Wings extending a little beyond the tip of the abdomen. Fore wings blackish, with a green tinge. Hind wings pellucid. Length of the body $7\frac{1}{2}$ lines.

a. North Hindostan. From Mr. Warwick's collection.

9. LESTOMERUS DIVERSUS.

His. Viridis; caput conicum, prothoracis lobo antico brevior; antennæ capite et prothorace ad unum longiores; prothoracis margo anticus bituberculatus; connexivum rufum; pedes rufi, femoribus tibiisque apice tibiis posticis tarnique nigris.

Male. Metallic-green, smooth, shining, elongate-subfusiform. Head conical, shorter than the fore lobe of the prothorax; a slight longitudinal furrow in front of a more distinct transverse furrow, the latter between the eyes; ante-ocular part twice the length of the post-ocular. Antennæ setulose, longer than the head and the prothorax together, first joint a little more than half the length of the second, third as long as the second; fourth longer than the third. Fore lobe of the prothorax with well-defined furrows, twice the length of the hind lobe; a tubercle on each side of the fore border. Connexivum bright red. Legs bright red, stout, rather short; four anterior femora spinulose beneath, black at the tips; hind femora black towards the tips; four anterior tibiae clavate, their apical part

black, furrowed beneath; tarsi and hind tibiae black. Length of the body 7 lines.

The rudimentary wings of this specimen indicate that it is not fully developed.

a. North China. From Mr. Fortune's collection.

10. LESTOMERIS FORMICARIUS.

Fœm. Niger; caput longi-conicum, prothoracis lobo antico aequilongum; lobus anticus bipunctatus; abdomen ellipticum, thorace multo latius; femora antica valde incrassata; alæ anticæ abbreviatæ, plaga basali lutea.

Female. Black, elongate. Head elongate-conical, as long as the fore lobe of the prothorax; ante-ocular part full twice as long as the post-ocular. Antennæ much longer than the head and the prothorax together; first joint a little longer than the ante-ocular head; second nearly twice as long as the first; third a little longer than the second. Fore lobe of the prothorax thrice as long as the hind lobe; an impression on each side in front; longitudinal furrows slight. Abdomen elliptical, much broader than the thorax. Middle femora slightly incrassated. Fore femora much incrassated. Furrow beneath the fore tibiae less than half the length of the latter. Fore wings extending to nearly two-thirds of the length of the abdomen; a luteous patch near the base. Length of the body $10\frac{1}{2}$ lines.

a. Burmah. From Mr. Tracy's collection.

Div. 2.

Phalantus, *Stal*, *A. S. E. F.* 4me Sér. iii. 57.

11. LESTOMERUS GENICULATUS.

Phalantus geniculatus, *Stal*, *A. S. E. F.* 4me Sér. iii. 57. *Ofv*, *K. V. Ak. Forh.* xxiii. 255.

a. Hong Kong. Presented by J. C. Bowring, Esq.

12. LESTOMERUS SANCTUS.

——, *Stoll*, *Pun.* pl. 9, f. 62—*Reduvius sanctus*, *Fabr. Ent. Syst.* iv. 197; *Syst. Rhyn.* 271. *Wolff*, *Icon. Cim.* ii. 80, pl. 8, f. 77—*Lestomernus sanctus*, *Stal*, *Ofv. K. V. Ak. Forh.* xxiii. 253.

a. North Hindostan. Presented by H. G. Harrington, Esq.

b. North Bengal. From Lieut. Campbell's collection.

c. Hindostan. From the collection of the Entomological Society.

d, e. Hindostan.

Genus 2. CATAMIARUS.

Catamiarus, *Serv. Hist. Hem.* 323.

1. CATAMARIUS BREVIPENNIS.

Peirates brevipennis, *Serv. Ann. Sci. Nat.* 1831, 3 — *Catamarius brevipennis*, *Serv. Hist. Hem.* 323.

a—d. Hindostan. From the collection of the Entomological Society.

e. Madras. Presented by Sir W. Elliot.

f, g. Madras. From Mr. Vigors' collection.

h. Hindostan. From Mr. Walker's collection.

Genus 3. PIRATES.

Peirates, *Serv. Ann. Sci. Nat.* 1831—*Pirates*, *Burm. Handb. Ent.* ii. 239.
Serv. Hist. Hem. 324. *Fieb. Eur. Hem.* 156.

Europe.

- A. Legs, rostrum and fore wings brownish or reddish yellow. - *ululans*.
B. Head, prothorax, scutellum and legs black.
a. Fore wings red, marked with black. - *stridulus*.
b. Fore wings black, marked with yellow, or wholly black.
• Corium with yellow marks on the inner border. - *chiragra*.
** Corium wholly black, or with a red border. - *strepitans*.

Div. 1.

1. PIRATES STRIDULUS.

Cimex hybridus, *Scop. Ent. Carn.* 131—*Reduvius stridulus*, *Fabr. Ent. Syst.* iv. 195; *Syst. Rhyn.* 268. *Rossi, Faun. Etr. ed. Hellwig*, ii. 403. *Wolff. Icon. Cim.* 122, pl. 12, f. 119. *De Lap. Hem.* 9. *St. Farg. et Serv. Enc. Meth.* x. pl. 373, f. 37—40. *L. Duf. Rech. Hem.* 59, pl. 4, f. 48—54. *Brullé, Hist. Nat. Ins.* ix. 321. *Blanch. Hist. Nat. Ins.* iii. pl. 2, f. 6—*Peirates stridulus*, *Serv. Ann. Sci. Nat.* 1831, 9. *Ramb. Faun. And.* ii. 173—*Pirates stridulus*, *Burm. Handb.* ii. 240. *H-Sch. Wanz. Ins.* iii. 89, pl. 102, f. 313. *Blanch. Hist. Nat. Ins.* iii. 106. *Serv. Hist. Hem.* 325. *Fieb. Eur. Hem.* 157—*Pirates hybridus*, *Stål, Ofv. K. V. Ak. Forh.* xxiii. 254.

a—c. South France.

d, e. Italy. Presented by Dr. Dowler.

f. Sicily. From Mr. Melly's collection.

g. Turkey. Presented by W. K. Loftus, Esq.

h, i. Europe. Presented by W. W. Saunders, Esq.

j, k. Albania. Presented by W. W. Saunders, Esq.

2. PIRATES ULULANS.

Reduvius ululans, *Rossi, Faun. Etr.* 253, pl. 7, f. 5; *ed. Hellwig*, ii. 403. *Wolff, Icon. Cim.* iii. 122, pl. 12, f. 116—*Pirates ululans*, *Burm. Handb. Ent.* ii. 240. *Fieb. Eur. Hem.* 157—*Ectomocoris ululans*, *Stål, Ofv. K. V. Ak. Forh.* xxiii. 257.

Etruria.

a. Crete. Presented by W. W. Saunders, Esq.

3. *PIRATES MELANOGASTER.*

Pirates melanogaster, Fieb. *Eur. Hem.* 387—*Ectomocoris melanogaster*, Stal, *Ofv. K. V. Ak. Forh.* xxiii, 257.

Sicily.

4. *PIRATES CHIRAGRA.*

Reduvius chiragra, Fabr. *Syst. Rhyn.* 278—*Pirates chiragra*, Fieb. *Eur. Hem.* 157. Stal, *Hem. Fabr.* i. 120—*Pirates niger*? Woll. *Ann. Nat. Hist.* 3rd Ser. i. 123.

South Europe.

a—h. Madeira. From Mr. Wollaston's collection.

i. Madeira. From Mr. Macgillivray's collection.

5. *PIRATES CORACINUS.*

coracinus, Garbiglietti, *Bull. Soc. Ent. Ital.* i. 197.

Sardinia.

Div. 2.

Cleptocoris, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 251, 261.

6. *PIRATES STREPITANS.*

Peirates strepitans, Ramb. *Faun. And.* 174—*Pirates strepitans*, Lucas, *Expt. Sci. Alg. Ins.* 52; *Hem.* pl. 1, f. 6. Fieb. *Eur. Hem.* 157—*Pirates niger*, H-Sch. *Nomencl.* i. 98—*Pirates unicolor*, H-Sch. *Wanz. Ins.* iii. 90, pl. 102, f. 314—*Pirates rufipennis*, Lucas, *Expt. Sci. Alg. Ins.* 52; *Hem.* pl. 1, f. 7—*Cleptocoris strepitans*, Stal, *Ofv. K. V. Ak. Forh.* xxiii. 261.

Spain. Portugal. Algeria.

Div. 3.

Aphleps, Fieb. *Verh. Zool. Bot. Ges. Wien.* xx. 243.

7. *PIRATES DIMIDIATUS.*

Aphleps dimidiata, Fieb. *Verh. Zool. Bot. Ges. Wien.* xx. 244, pl. 5, f. 1. Greece.

North America.

A. Fore angles of the prothorax prominent.

a. Abdomen not bordered with red. - - - *picipes*.

b. Abdomen bordered with red. - - - *abdominalis*.

B. Fore angles of the prothorax not prominent. - - - *carinatus*.

Div. 1.

Melanolestes, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 251, 259.

8. *PIRATES PICIPES* (bis lectum).

picipes, *H.-Sch. Wanz. Ins.* viii. 62, pl. 269, f. 831—*Melanolestes picipes*,
Stal, Ofv. K. Vet. Ak. Forh. xxiii. 259.

a—f. Illinois. Presented by F. Walker, Esq.

g. North America. Presented by the Entomological Club.

h. St. John's Bluff, East Florida. Presented by E. Doubleday, Esq.

i, j. North America. Presented by W. W. Saunders, Esq.

k. Venezuela. From Mr. Birschell's collection.

l. Columbia. Presented by W. W. Saunders, Esq.

m. Ega. From Mr. Bates' collection.

n. Rio Janeiro. Presented by J. P. G. Smith, Esq.

Div. 2.

Sirthenes, *Spin. Ess. Hem.* 100. *Stal, Hem. Afr.* iii. 113—*Rasahus*,
Serv. Hist. Hem. iii. 325.

9. *PIRATES CARINATUS*.

——, *Stoll, Pwn.* f. 250—*Reduvius carinatus*, *Fabr. Ent. Syst. Suppl.*
645; *Syst. Rhyn.* 278. *Coq. Ill. Ins.* i. 42, pl. 10, f. 15. *Lep. et*
Serv. Enc. Méth. x. 278—*Pirates roseus*, *H.-Sch. Wanz. Ins.* viii. 62,
f. 830—*Perrates carinatus*, *Serv. Ann. Sc. Nat.* xxiii. 221—*Rasahus*
carinatus, *Serv. Hist. Hem.* 326—*Sirthenes carinata*, *Stal, Ofv. K. Vet.*
Ak. Forh. xxiii. 252; *Hem. Fabr.* i. 120.

Carolina. Mexico. Brazil.

a. ———? From Mr. Children's collection.

10. *PIRATES ABDOMINALIS*.

abdominalis, *H.-Sch. Wanz. Ins.* viii. 63, pl. 269, f. 832.

a, b. North America. Presented by F. Walker, Esq.

Div. 3.

Phorus, *Stal, Stett. Ent. Zeit.* xxiii. 453; *Hem. Afr.* iii. 113.

11. *PIRATES FEMORALIS*.

Cimex femoralis, *Deg. Ins.* iii. 346, pl. 35, f. 4—*Phorus femoratus*, *Stal,*
Ofv. K. V. Ak. Forh. xxiii. 255.

North America. Surinam. Brazil.

Mexico.

A. Head long.

a. Membrane with a spot in the disk.

* Fore femora black. - - - - - *montillerius*.

** Fore femora pale.

† Fore lobe of the prothorax with distinct furrows.

‡ Legs partly black. - - - - - *sulcicollis*.

| | | | | | |
|--|---|---|---|---|----------------|
| †† Legs wholly pale. | - | - | - | - | biguttatus. |
| †† Fore lobe of the prothorax with indistinct furrows. | - | - | - | - | albomaculatus. |
| b. Membrane with no spot in the disk. | - | - | - | - | guttatipennis. |
| c. Fore wings with three spots. | - | - | - | - | Mexicanus. |
| B. Head rather short. | - | - | - | - | semirufus. |

Div. 1.

Callisphodrus, *Stal*, *Osv. K. Vet. Ak. Forh.* xxiii. 251.

12. *PIRATES MUTILLARIUS*.

Reduvius mutillarius, *Fabr. Syst. Rhyn.* 280—*Pirates mutillarius*, *H.-Sch. Wanz. Ins.* viii. 61, pl. 269, f. 829—*Callisphodrus mutillarius*, *Stal*, *Osv. K. V. Ak. Forh.* xxiii. 258.

Mexico. Brazil.

13. *PIRATES BIGUTTATUS*.

Petalochirus biguttatus, *Say, New Harm. Ind.* 1832, 12; *Works*, ed. *Le Conte*, i. 307—*Pirates biguttatus*, *Stal*, *Stett. Ent. Zeit.* xxiii. 457—*Callisphodrus biguttatus*, *Stal*, *Osv. K. V. Ak. Forh.* xxiii. 258.

Cuba.

a, b. Orizaba. From M. Sallé's collection.

Div. 2.

Sphodrocoris, *Stal*, *Osv. K. Vet. Ak. Forh.* xxiii. 251, 261.

14. *PIRATES GUTTATIPENNIS*.

Pirates guttatipennis, *Stal*, *Stett. Ent. Zeit.* xxiii. 457—*Sphodrocoris guttatipennis*, *Stal*, *Osv. K. Vet. Ak. Forh.* xxiii. 261.

Orizaba.

Div. 3.

Macrosandalus, *Stal*.

15. *PIRATES SULCOICOLLIS*.

Peirates sulcoicollis, *Serv. Ann. Sci. Nat.* 1831, 7—*Rasahus sulcoicollis*, *Serv. Hist. Hem.* 326—*Pirates spheginus*, *H.-Sch. Wanz. Ins.* viii. 61, pl. 269, f. 828—*Macrosandalus sulcoicollis*, *Stal*, *Osv. K. V. Ak. Forh.* xxiii. 259.

Mexico. Cayenne. Brazil.

[16. *PIRATES ALBOMACULATUS*.

albomaculatus, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xv. 438; *Reise Novara, Hem.* 154, pl. 42—*Macrosandalus albomaculatus*, *Stal*, *Osv. K. V. Ak. Forh.* xxiii. 259.

Mexico. Brazil.

Div. 4.

17. *PIRATES SEMINOFUS*.

Mas. *Niger; caput conicum; antennæ capite et prothorace ad unum paullo longiores; corium rufum; alæ posticæ diaphanæ.*

Male. Black, fusiform, smooth, shining. Head with an angular furrow between the eyes, conical in front of the eyes, very short behind them. Rostrum extending to the propectus; second joint much longer than the others. Antennæ setulose, a little longer than the head and the prothorax together; second joint full twice as long as the first; third much shorter than the second; fourth a little shorter than the second. Fore lobe of the prothorax with a depression in the disk hindward, with a slight longitudinal furrow, and on each side in front with two very slight furrows; hind lobe about half as long as the fore lobe, with rounded and convex side-angles. Fore femora much incrassated; fore tibiae clavate, much shorter than the fore femora, their furrow less than half their length; fore tarsi dilated at the base. Corium red-lead colour. Hind wings pellucid. Length of the body 6 lines.

a, b. Orizaba. From M. Sallé's collection.

18. *PIRATES MEXICANUS*.

Fœm. *Niger, fere fusiformis; caput conicum, prothoracis lobo antico aequilongum, scutellum apicem versus subascendens; connexivum flavo guttatum; femora postica basi testaceo fasciata; alæ anticæ flavo pallido bimaculatæ.*

Female. Black, nearly fusiform. Head conical, as long as the fore lobe of the prothorax; ante-ocular part rather longer than the post-ocular. Antennæ slender, somewhat longer than the head and the prothorax together; first joint little longer than the ante-ocular head, second nearly twice as long as the first; third much shorter than the second; fourth nearly as long as the second. Fore lobe of the prothorax about twice as long as the hind lobe; hind part of the middle furrow strongly marked. Scutellum compressed and obliquely ascending towards the tip. Connexivum with yellow dots. Legs rather slender; hind femora with a testaceous band at the base; fore femora incrassated. Corium with a pale yellow spot on the clavus. Membrane with a pale yellow spot on the inner side at the base. Length of the body $6\frac{1}{2}$ lines.

a. Orizaba. From M. Sallé's collection.

Div. 5.

Tydides, *Stal*, *Hem. Afr.* iii. 113.

19. *PIRATES BRACHIATUS*.

Reduvius brachiatus, *Perty*, *Del. An. Art. Bras.* xi. 173, pl. 34, f. 10—*Peirates rufus*, *Serv.* *Ann. Sci. Nat.* xxiii. 218—*Pirates rufus*, *Serv.*

Hist. Hem. 325. *Tydides brachiatus*, *Stal, Ofs. K. V. Ak. Forh.* xxiii. 255.

Mexico. Cayenne. Brazil.

a. Venezuela. From Mr. Birschell's collection.

West Indies.

20. PIRATES DEGENRE.

Form. *Niger*; *antennae capite et prothorax ad unum multo longiores*; *pedes picei, genubus tarsisque fulvis.*

Female. Black, fusiform, smooth, shining, in structure like *P. picipes*. Head triangular, flat and dull above, shining and slightly elevated, post-ocular part very short. Rostrum extending to the propectus; second joint longer than the first, much longer than the third and than the fourth. Antennae setulose, much longer than the head and the prothorax together; second joint more than twice as long as the first, third a little shorter than the second. Fore lobe of the prothorax with four distinct longitudinal furrows. Hind lobe about half as long as the fore lobe; side-angles rounded, convex. Legs piceous, setulose; fore femora incrassated; fore tibiae a little shorter than the fore femora; knees and tarsi tawny. Length of the body 6 lines.

It is much smaller than *P. picipes*, to which it has a great resemblance.

a—c. St. Domingo. From Mr. Tweedie's collection.

South America.

| | | | |
|--|---|---|---------------|
| A. Fore wings long. | | | |
| a. Body not aeneous. | | | |
| * Head very long in front. | | | |
| † Head and fore lobe of the prothorax black. | - | | stria. |
| †† Head and fore lobe of the prothorax pale. | | | |
| ‡ Membrane whitish at the base. | - | - | Amazonus. |
| ‡‡ Membrane not whitish at the base. | - | - | Baripex. |
| ** Head not very long in front. | | | |
| † Fore wings with three marks. | | | |
| ‡ Fore wings with a subapical mark. | - | - | areuiger. |
| ‡‡ Fore wings with an apical mark. | | | |
| § Fore wings with a stripe. | - | - | hamifer. |
| §§ Fore wings with no stripe. | - | - | biplagiatus. |
| †† Membrane with a spot in the disk. | | | |
| ‡ Fore femora with pale tips. | | | |
| § Spot on the membrane remote from the tip. | - | | maculipennis. |
| §§ Spot on the membrane very near the tip. | | | |
| × Abdomen not red beneath. | - | - | sontellaria. |
| ×× Abdomen red beneath. | - | - | rufiventris. |
| ‡‡ Fore femora wholly black. | | | |
| § Fore wings with a middle streak. | - | - | hamatus. |
| §§ Fore wings with no middle streak. | | | |
| × Tibiæ blackish. | - | - | conatus. |

| | | | | | | |
|----------|--|---|---|---|---|--------------|
| XX | Tibiae red. | - | - | - | - | indecisus. |
| \$\$\$ | Fore wings with an inner stripe. | - | - | - | - | vittifer. |
| \$\$\$\$ | Corium testaceous, varied with black. | - | - | - | - | megaspilus. |
| +++ | Fore wings with no marks. | - | - | - | - | morio. |
| ... | Head short. | | | | | |
| † | Fore lobe of the prothorax much longer than the hind lobe. | | | | | |
| † | Fore femora much incrassated. | - | - | - | - | dividiatus. |
| †† | Fore femora hardly incrassated. | - | - | - | - | lepidus. |
| †† | Fore lobe of the prothorax not much longer than the hind lobe. | - | - | - | - | minusculus. |
| b. | Body æneous. | - | - | - | - | æneus. |
| B. | Fore wings very short. | - | - | - | - | piceicornis. |

South America.

Div. 1.

Sphodrocoris, Stal.21. *PIRATES MACULIPENNIS*.

Reduvius maculipennis, St. Farg. et Serv. Enc. Méth. x 276—*Peirates maculipennis*, Serv. Ann. Sci. Nat. 1831, 8. Stal, Rio Jan. Hem. 69. *Pirates maculipennis*, Serv. Hist. Hem. 325. *Sphodrocoris maculipennis*, Stal, Ofv. K. V. Ak. Forh. xxii. 261.

- a. Brazil.
- b. Brazil. Presented by J. P. G. Smith, Esq.
- c. Para. Presented by G. Graham, Esq.
- d. Brazil. From Mr. Children's collection.
- e. Columbia. From M. Goudot's collection.
- f. Bolivia. From Mr. Bridges' collection.

22. *PIRATES CONCISUS*.

Mas. Niger; caput longi-conicum; antennæ capite et prothorace ad unum breviores; scutelli spina ferruginea; femora quatuor posteriora basi testacea; tibia antica subtus fulva, corium basi albido unistrigatum; membrana lateo unimaculata.

Male. Black, setulose, elongate-subfusiform. Head elongate-conical; ante-ocular part about twice as long as the post-ocular; a curved transverse furrow in front of the two hind ocelli. Rostrum extending to the fore coxæ; second joint much longer than the others. Antennæ shorter than the head and the prothorax together; first joint about half as long as the second; third a little shorter than the second; fourth longer than the second. Fore lobe of the prothorax with seven furrows; middle one enlarged hindward; inner pair parallel; the two other pairs oblique; middle pair abbreviated hindward. Hind lobe less than half as long as the fore lobe. Scutellum concave in the disk, ending in a ferruginous spine. Abdomen with testaceous spots along each side. Fore coxæ testaceous towards the tips. Four hinder femora testaceous at the base. Fore tibiae tawny beneath; spongy furrow very long. Fore wings with a whitish streak along the inner border of the corium from the base to the tip of the

scutellum; a large luteous spot in the disk of the membrane. Length of the body 8 lines.

a. Columbia. Presented by W. W. Saunders, Esq.

b. Venezuela. From Mr. Birschell's collection.

23. PIRATES DIMIDIATUS.

Mas. *Fulvus; caput conicum, prothoracis lobo antico paullo brevius; alæ anticae nigrae, albido biplagiatae.*

Male. Tawny, elongate-subfusiform. Head conical, a little shorter than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. First joint of the antennæ as long as the ante-ocular head; second more than twice as long as the first. Fore lobe of the prothorax much longer than the hind lobe; furrows hardly apparent, except the hind part of the middle one. Scutellum elevated along each side, compressed at the tip. Spongy furrow of the fore tibiae not more than one-third of the length of the latter. Fore wings black, corium with a whitish patch partly occupying the tip of the clavus, and with a whitish apical patch. Length of the body 8—8½ lines.

a. Monte Video. Presented by W. W. Saunders, Esq.

b. ———? From Mr. Children's collection.

Div. 2.

Callisphodrus, Stal.

24. PIRATES HAMATUS.

———, *Stoll, Pen. f. 163—Reduvius hamatus, Fabr. Sp. Ins. ii. 381; Mant. Ins. ii. 312; Ent. Syst. iv. 203, Syst. Rhyn. 280—Reduvius mutillarius, Fabr. Syst. Rhyn. 280—Callisphodrus hamatus, Stal, Hem. Fabr. i. 121.*

a. Santarem. Presented by W. W. Saunders, Esq.

b. Santarem. From Mr. Bates' collection.

Div. 3.

Macrosandalus, Stal, Ofv. Vet. Ak. Forh. xxiii. 251, 259.

25. PIRATES SCUTELLARIS.

Reduvius scutellaris, Fabr. Mant. Ins. ii. 313, Ent. Syst. iv. 207; Syst. Rhyn. 279—Pirates myrmecinus, Erichs. Schomb. Reis. Brit. Guiana, iii. 613—Macrosandalus scutellaris, Stal, Hem. Fabr. i. 122.

Cayenne.

a. ? Columbia. From M. Goudot's collection.

Var. ? Mas. *Niger, fere linearis; caput conicum, prothoracis lobo antico aequilongum; antennæ capite breviores, articulo 2o apice fulvo, 3o 4oque incurvatis; prothoracis margo anticus bituberculatus; scutelli spina apicalis alba, subascendens; connexivum albo maculatum; femora quatuor posteriora basi albo unisarcita; corium strigis duabus maculisque duabus albis; membrana litura angulata cinerea.*

Male. Black, nearly linear. Head conical, as long as the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ somewhat shorter than the body; first joint longer than the ante-ocular head; second tawny at the tip, more than twice as long as the first; third and fourth curved; third shorter than the second; fourth a little shorter than the second. Fore lobe of the prothorax nearly twice as long as the hind lobe, hind part of the middle furrow dilated and strongly marked, a tubercle on each side of the fore border. Scutellum with a white slightly ascending apical spine. Connexivum with white spots. Legs slender; fore coxæ white beneath towards the tips; four hinder femora with a white band near the base; knees whitish; spongy furrow of the fore tibiae full half the length of the latter. Fore wings with four white marks; a streak on the inner border before the middle, near and parallel to a streak in the disk; a transverse white spot near the inner border; an exterior subcostal white dot; an angular cinereous mark in the membrane. Hind wings cinereous. Length of the body 5 lines.

a. Santarem. From Mr. Bates' collection.

Female. Elongate-fusiform. Membrane with a large apical white spot. Length of the body $5\frac{1}{2}$ lines.

a. Guatemala. From M. Deby's collection.

Div. 4.

Sirthenea, Spin.

26. PIRATES STRIA.

Reduvius stria, Fabr. Ent. Syst. iv. 201; Syst. Rhyn. 276—*Sirthenea stria*, Stal, Hem. Fabr. i. 120.

Cayenne.

a, b. Brazil.

c. Rio Janeiro. Presented by J. P. G. Smith, Esq.

d. Columbia. From M. Goudot's collection.

e. Pernambuco. Presented by — Spooner, Esq.

f. Brazil. From Mr. Argent's collection.

g. Rio Janeiro. Presented by — Busk, Esq.

h. Demerara. From Mr. Children's collection.

27. PIRATES AMAZONUS.

Sirthenea Amazona, Stal, Ofv. K. V. Ak. Forh. xxiii. 252.

a. Amazon Region. From Mr. Bates' collection.

b. Amazon Region. Presented by W. W. Saunders, Esq.

28. PIRATES FLAVIPES.

Raschus flavipes, Stal, Ofv. K. V. Ak. Forh. xii. 187—*Sirthenea flavipes*, Stal, Ofv. K. V. Ak. Forh. xxiii. 252; xxvii. 692.

Brazil.

Div. 5.

Melanolestes, Stal.29. *PIRATES PICICORNIS*.

Rasahus picicornis, Stal, *Rio Jan. Hem.* 69—*Melanolestes picicornis*, Stal, *Ofs. K. V. Ak. Forh.* xxii. 259.

Bio Janeiro.

30. *PIRATES MORIO*.

Pirates morio, Ericks. *Schomb. Reis. Brit. Guiana*, iii. 613—*Melanolestes morio*, Stal, *Ofs. K. V. Ak. Forh.* xxiii. 269.

British Guiana.

Var.? *Mas. Niger, fere linearis, antice cano tomentosus; caput conicum, prothoracis lobo antico paullo brevius; antennarum articulus 1us basi albus; scutellum apicem versus spiniforme subascendens; segmentorum abdominalium margines postici albo tomentosi; connexivum albo maculatum; femora quatuor posteriora basi albo fasciata; alae anticae maculis duabus fasciisque intermedia arcuata flavo-albis.*

Male. Black, nearly linear, thinly hairy. Head and fore lobe of the prothorax with hoary tomentum. Head conical, a little shorter than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. Antennæ pubescent, rather longer than the head and the prothorax together; first joint white towards the base, a little shorter than the ante-ocular part of the head; second full twice as long as the first; third a little shorter than the second; fourth rather longer than the second. Fore lobe of the prothorax much longer than the hind lobe; a stout tooth on each side of the fore border. Scutellum ending in an acute obliquely ascending spine. Abdomen with white spots along each side; hind borders of the segments beneath with white tomentum. Legs slender; four posterior femora with a white band near the base; fore tibiae with a short apical furrow beneath. Each of the fore wings with a yellowish white spot near the base, with another near the tip, and with an intermediate curved yellowish white band. Hind wings white. Length of the body 6 lines.

a. Santarem. From Mr. Bates' collection.

b. Columbia. From M. Goudot's collection.

Div. 6.

31. *PIRATES ARCUIGER*.

Pirates arcuiger, Stal, *Stett. Ent. Zeit.* xxiii. 457—*Callisphodrus? arcuiger*, Stal, *Ofs. K. V. Ak. Forh.* xxiii. 268.

New Granada.

32. *PIRATES INDECISUS*.

Fœm. Niger; caput conicum; antennæ ferrugineæ, capite et prothorace ad unum paullo longiores, articulo 1o nigro; scutelli spina fulva; connexivum albido maculatum; pedes fulvi, femoribus nigris, tibiis apice piceis; corium basi albido unistrigatum; membrana albido unimaculata, cinereo marginata.

Female. Black, smooth, shining, elongate-fusiform, slightly setulose. Head conical; ante-ocular part tawny at the tip, much longer than the post-ocular; a transverse curved furrow in front of the two hind ocelli. Rostrum extending to the fore coxæ; second joint much longer than the others. Antennæ ferruginous, setulose, a little longer than the head and the prothorax together; first joint black, much shorter than the second; third shorter than the second; fourth longer than the second. Fore lobe of the prothorax with seven furrows; middle one enlarged hindward; inner pair parallel; the two other pairs oblique; middle pair abbreviated hindward. Hind lobe about half the length of the fore lobe. Scutellum with a transverse furrow; apical part forming a tawny spine. Abdomen with whitish spots along each side. Legs tawny, setose; femora black; four hinder femora tawny towards the base, tibiae piceous towards the tips; spongy furrow of the fore tibiae nearly half the length of the latter. Fore wings brown; a whitish forked streak along the inner border of the corium and a large rounded whitish spot in the membrane, which is broadly cinereous along its inner border. Length of the body 7 lines.

♂. — ?

33. *PIRATES LEPIDUS.*

Mas. *Cyaneo-niger, fere linearis; caput subellipticum; antennæ capite et prothorace ad unum paullo breviores, articulis 1o et 2o testaceis; abdomen rufum, apice nigrum; femora quatuor anteriora ex parte fulva; alæ anticæ albæ, nigro unistrigatæ et unimaculatæ, fusco biseittatæ et multistatæ, rufo unistrigatæ.*

Male. Bluish black, smooth, shining, narrow, setulose, nearly linear. Head convex, subelliptical, with a transverse furrow on the vertex; post-ocular part a little longer than the ante-ocular. Rostrum extending to the fore coxæ; second joint much longer than the others. Antennæ black, a little shorter than the head and the prothorax together; first and second joints testaceous; second more than twice the length of the first; third shorter than the second; fourth as long as the third. Fore lobe of the prothorax concave in the middle of the hind part, about twice the length of the hind lobe, which is much rounded on each side. Mesospectus keeled. Abdomen red, black towards the tip. Legs black; four anterior femora thickened, partly tawny; four anterior tibiae clavate; spongy furrow of the fore tibiae nearly half their length. Fore wings white; a short black streak extending from the base along the hind border; a large round black spot in the disk beyond the middle, connected with two exterior brown stripes; a brown transverse mark between the basal streak and the spot; a bright red streak along the middle part of the costa. Hind wings pellucid, brownish towards the tips. Length of the body $5\frac{1}{2}$ lines.

♂. *Para.* From Mr. Hewitson's collection.

34. *PIRATES BIPLAGIATUS.*

Mas. *Niger; caput longi-conicum, prothoracis lobo antico aquilongum; antennæ capite et prothorace ad unum longiores; connexivum flavo-maculatum, pedes pices, femoribus quatuor posterioribus flavo unisectatis; alæ anticæ atræ, striga basali flava, plaga discali maculaque apicali luteis.*

Male. Black, subfusiform. Head elongate-conical, as long as the fore lobe of the prothorax; ante-ocular part full twice as long as the post-ocular. Antennæ rather longer than the head and the prothorax together; first joint as long as the ante-ocular head; second about twice as long as the first; third much shorter than the second. Fore lobe of the prothorax nearly twice as long as the hind lobe; hind part of the middle furrow very conspicuous. Connexivum with pale yellow spots. Legs piceous; four posterior femora with a yellow band near their base; spongy furrow of the fore tibiae a little less than half the length of the latter. Fore wings deep black, with a pale yellow streak at the base of the interior border, with a luteous patch in the disk, and with a large luteous apical spot. Length of the body $6\frac{1}{2}$ lines.

Distinguished from *P. maculipennis*, *concisus* and *indecisus* by the pale tip of the membrane.

a. Interior of Brazil. From Mr. Walker's collection.

35. *PIRATES VITTIFER.*

Mas. *Niger; caput longi-conicum, prothoracis lobo antico aequilongum; prothoracis lobus anticus bituberculatus, sulco medio postice bene determinato; connexivum testaceo maculatum; tarsi fulvi; alae anticae apud marginem interiorem luteo univittatae.*

Male. Black, elongate-subfusiform. Head elongate-conical, as long as the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. First joint of the antennæ as long as the ante-ocular head; second about twice as long as the first. Fore lobe of the prothorax almost twice as long as the hind lobe; a tubercle on each side of the fore border; hind part of the middle furrow very conspicuous. Scutellum at the tip forming an obliquely ascending spine. Connexivum with dingy testaceous dots. Legs slender; fore femora slightly thickened; spongy furrow of the fore tibiae not more than one-fourth of the length of the latter, tarsi tawny. Fore wings with a luteous stripe, which extends from the base along the inner border, and does not reach the tip of the membrane. Length of the body $6\frac{1}{2}$ lines.

a. Columbia. From M. Goudot's collection.

36. *PIRATES MEGASPILUS.*

Mas. *Niger, subfusiformis, opacus, subtus nitens; caput conicum, prothoracis lobo antico longius; femora antica subincrassata; corium testaceum, nigro varium.*

Male. Black, dull, subfusiform, shining beneath. Head conical, longer than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular; first joint rather shorter than the head; second much longer than the first. Fore lobe of the prothorax about as long as the hind lobe; longitudinal furrows strongly marked. Fore femora slightly thickened; furrow beneath the four anterior tibiae very short. Corium mostly and irregularly testaceous. Length of the body $5\frac{1}{2}$ lines.

a. Columbia. From M. Goudot's collection.

37. *PIRATES HAMIFER.*

MS. *Niger, longi-subfusiformis; caput longi-conicum, prothoracis lobo antico aequilongum, antennarum articulus 4us albido bifasciatus; scutellum apicem versus subascendens; propectus unispinosus; connexivum albo plagiatum, femora quatuor posteriora basi tarsique lutea; corium vitta furcata strigose lata transversa flavo-albis; membrana apice albo plagiata.*

Male. Black, shining, elongate-subfusiform. Head elongate-conical, as long as the fore lobe of the prothorax; ante-ocular part more than twice as long as the post-ocular. Antennæ less than half the length of the body; first joint shorter than the ante-ocular head; second whitish at the tip, full twice the length of the first; third hardly shorter than the second; fourth whitish at the base and with a whitish band near the tip. Fore lobe of the prothorax nearly twice as long as the hind lobe; side furrows and hind part of the middle furrow distinct; a stout tooth on each side of the fore border. Scutellum compressed towards the tip, which is obliquely ascending. Propectus with a stout obliquely retracted spine. Connexivum with white patches. Four hinder femora towards the base and tarsi luteous; four anterior tibiæ with the furrow beneath less than half their length. Fore wings with a yellowish white stripe, which proceeds from the base and is shortly forked; one fork subcostal, costal along a short exterior space and ceasing at two-thirds of the length; the other fork along the interior border, nearly interrupted in the middle, where it emits a broad transverse streak nearly to the costal branch; membrane with a large apical white patch. Length of the body 10½ lines.

a. Columbia. From M. Goudot's collection.

38. *PIRATES RUFIVENTRIS.*

MS. *Piceus, fere linearis; caput conicum, prothoracis lobo antico aequilongum; antennarum articulus 1us basi albo fasciatus; prothoracis lobus posticus postice rufescens, scutellum apice subascendens; venter rufus; connexivum albo maculatum; pedes picei, femoribus quatuor posterioribus basi albis; alæ anticæ atræ, albo bimaculatæ.*

Male. Piceous, black, nearly linear. Head conical, as long as the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ much longer than the head and the prothorax together; first joint with a white band near the base, a little shorter than the ante-ocular head; second about thrice as long as the first, third a little shorter than the second; fourth shorter than the third. Fore lobe of the prothorax more than twice as long as the hind lobe; middle furrow distinct towards the hind border. Hind lobe reddish about the hind border. Scutellum compressed and slightly ascending towards the tip, which is acute. Abdomen red beneath; connexivum with white spots. Legs piceous, slender; four hinder coxæ white towards the tips; four hinder femora white at the base; fore tibiæ with a furrow which is less than half their length. Fore

wings deep black; each with a small transverse white spot in the middle, and with a small round white spot near the tip. Length of the body 6 lines.

a. Santarem. From Mr. Bates' collection.

39. *PIRATES AENEUS*.

Form. *Aeneus*, fere linearis; caput conicum, prothoracis lobo antico paullo brevius, lobo medio fulvo; antennæ piceæ; abdomen fulvum; connexivum pallide flavescens, æneo maculatum; pedes pallide flavescens, femoribus tarsisque piceo fasciatis, tibiis piceis basi apiceque flavescens; corium nigricans, striga costali strigisque duabus transversis albidis, maculis duabus strigaeque exteriori testaceis costalibus; membrana pallide cinerea, fusco tristrigata.

Female. *Aeneous*, nearly linear. Head conical, a little shorter than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular, its middle lobe tawny. Rostrum tawny. Antennæ piceous, more than half the length of the body; first joint shorter than the ante-ocular head; second full twice as long as the first. Fore lobe of the prothorax a little more than twice as long as the hind lobe; longitudinal furrows very slight. Abdomen tawny above and in the disk beneath, connexivum pale yellowish, with æneous spots. Legs pale yellowish; femora and tarsi with piceous bands; tibiæ setulose, piceous, pale at each end. Fore wings blackish, with a short subcostal whitish streak, which is connected with two transverse whitish streaks; two testaceous costal spots and an exterior oblique testaceous costal streak; membrane pale cinereous, with three broad brown streaks. Length of the body $4\frac{1}{2}$ lines.

a. Amazon Region. From Mr. Bates' collection.

40. *PIRATES MINUSCULUS*.

Mas. *Niger*, subfusiformis, subtus piceus; caput conicum, prothoracis lobo antico paullo longius; antennarum articulus 1us brevissimus; prothoracis lobus anticus valde sulcatus; pedes picei; alæ anticae piceæ, albido trindatæ.

Male. Black, subfusiform, pubescent, piceous beneath. Head conical, a little longer than the fore lobe of the prothorax, ante-ocular part very much longer than the post-ocular. Antennæ pubescent, a little more than half as long as the body; first joint very short; second full thrice as long as the first, third very much longer than the second; fourth hardly longer than the third. Fore lobe of the prothorax not much longer than the hind lobe, longitudinal furrows strongly marked. Legs piceous; furrow beneath the hind tibiae less than half the length of the latter. Fore wings piceous, paler at the tips, each with three whitish marks; first and second marks transverse; first mark basal, irregular; second in the middle, joining the costa, third angular, subapical. Length of the body $4\frac{1}{2}$ lines.

a. Columbia. From M. Goudot's collection.

Africa.

- A. Spongy furrow of the fore tibiae extending distinctly beyond their middle.**
- a. Legs and the border of the abdomen dingy yellowish.**
 - * Hind lobe of the prothorax dingy yellowish. - dichrous.
 - ** Hind lobe of the prothorax black.
 - † Fore wings with various black marks. - - elegans.
 - †† Fore wings without various black marks.
 - ‡ Antennæ pale. - - - - - xanthopus.
 - ‡‡ Antennæ black. - - - - - maculicrus.
 - b. Legs black.**
 - * Membrane yellowish or dingy whitish at the base. - cruciger.
 - ** Membrane in colour as elsewhere at the base, sometimes with a whitish spot before the middle.
 - † Fore wings brown. - - - - - quadrimaculatus.
 - †† Fore wings black. - - - - - fenestratus.
- B. Furrow of the fore tibiae extending to their middle or hardly so far.**
- a. Legs black.**
 - * Membrane with no pale spot. - - - - - lugubris.
 - ** Membrane with a pale spot. - - - - - murus.
 - b. Legs yellow.** - - - - - planus.

Div. 1.

Ectomocoris, Mayr.

41. PIRATES DICHOUS.

Pirates dichrous, Stal, *Hem. Afr.* iii. 116—*Ectomocoris dichrous*, Stal, *Ofv. K. V. Ak. Forh.* xxiii. 256.

Senegal.

42. PIRATES XANTHOPUS.

xanthopus, Schaum, *Bericht Kongl. Preuss. Akad. Wiss. Berl.* 1853, 358; *Peters, Reise Nat. Mozamb.* iii. 47. Stal, *Hem. Afr.* iii. 116. *Ectomocoris xanthopus*, Stal, *Ofv. K. V. Ak. Forh.* xxiii. 256.

Guinea. Mozambique.

43. PIRATES MACULICRUS.

Pirates maculicrus, *Frme. Arch. Ent.* ii. 309. Stal, *Hem. Afr.* iii. 117—*flavopustulatus*, Stal, *Ofv. K. Vet. Ak. Forh.* xv. 442—*Ectomocoris maculicrus*, Stal, *Ofv. K. V. Ak. Forh.* xxiii. 256.

a. Sierra Leone. Presented by the Rev. F. D. Morgan.

Div. 2.

Ectomocoris, Mayr, Stal, *Hem. Fabr.* i. 121.

44. PIRATES CRUCIGER.

Redovius cruciger, *Fabr. Syst. Rhyn.* 270—*Pirates cruciger*, Stal, *Hem. Afr.* iii. 117—*Ectomocoris cruciger*, Stal, *Ofv. K. V. Ak. Forh.* xxiii.

257; *Hem. Afr.* i. 121—*Pirates pungens*, *Reiche et Fairm. Voy. Abyss.*
Ent. 449, pl. 29, f. 3.

Guinea. Sierra Leone. Senegal. Abyssinia.

45. *PIRATES ELEGANS.*

Reduvius elegans, *Fabr. Syst. Rhyn.* 270—*Ectomocoris elegans*, *Stal.*
Hem. Fabr. i. 121.

Guinea.

46. *PIRATES QUADRIMACULATUS.*

Peirates 4-maculatus, *Serv. Ann. Sci. Nat.* xxiii. 217—*Pirates 3-guttatus*,
Erichs. Reiss. Sverz. 1842, 11. *Stett. Ent. Zeit.* xx. 85—*Pirates*
4-maculatus, *Serv. Hist. Hem.* 324. *Stal. Hem. Afr.* iii. 118—*Pirates*
trifenestratus, *Stal. Ofv. K. Vet. Ak. Forh.* xii. 38—*Ectomocoris quadri-*
maculatus, *Stal. Ofv. K. V. Ak. Forh.* xxiii. 257.

Senegal. Cafraria.

47. *PIRATES FENESTRATUS.*

Reduvius (Eumenes) fenestratus, *Klug. Symb. Phys.* pl. 19, f. 7—*Peirates*
bimaculatus, *Serv. Ann. Sci. Nat.* xxiii. 218—*Pirates fenestratus*,
Burm. Handb. Ent. ii. 239. *Stal. Hem. Afr.* iii. 118—*Pirates*
bimaculatus, *Serv. Hist. Hem.* 324, pl. 7, f. 5—*Ectomocoris fenestratus*,
Stal. Ofv. K. V. Ak. Forh. xxiii. 257.

Nubia. Senegal.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

b. Congo. Presented by Sir J. Richardson.

48. *PIRATES LURIDUS.*

Reduvius (Eumenes) luridus, *Klug. Symb. Phys.* pl. 19, f. 7—*Ectomocoris*
luridus, *Stal. Ofv. K. V. Ak. Forh.* xxiii. 259.

Nubia.

Div. 3.

Cleptocoris, *Stal.*

49. *PIRATES LUGUBRIS.*

Pirates lugubris, *Stal. Ofv. K. Vet. Ak. Forh.* xii. 318; *Hem. Afr.* iii. 118
—*Pirates niger*, *Sgt. A. S. E. F. 3me Sér.* viii. 960—*Cleptocoris*
lugubris, *Stal. Ofv. K. V. Ak. Forh.* xxiii. 261.

Nubia. East Africa. Madagascar.

a. Natal. From M. Gueinzus' collection.

b. var.? Sierra Leone. Presented by the Rev. D. F. Morgan.

50. *PIRATES MAURUS.*

maurus, *Stal. Ofv. K. Vet. Ak. Forh.* 1855, 38; *Hem. Afr.* iii. 119—*Clepto-*
coris, *Stal. Ofv. K. V. Ak. Forh.* xxiii. 261.

Natal.

51. *PIRATES BALTEATUS*.

Pirates balteatus, Germ. Silb. Rev. Ent. v. 131—*Cleptocoris balteatus*, Stal, Ofv. K. V. Ak. Forh. xxiii. 261.

Cape.

Div. 4.

52. *PIRATES PLANUS*.

Niger; caput conicum, prothoracis lobo antico paullo brevius; antennarum articulus luteus; ventris discus fulvus, pedes lutei.

Black, elongate-subfusiform. Head conical, a little shorter than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. First joint of the antennæ luteous, a little longer than the ante-ocular head; second very much longer than the first. Fore lobe of the prothorax nearly twice as long as the hind lobe; furrows distinct. Disk of the abdomen tawny beneath, except towards the tip. Legs luteous; spongy furrow of the fore tibiae not more than one-third of the length of the latter. Length of the body $6\frac{1}{2}$ lines.

c. Gambia. Presented by W. W. Saunders, Esq.

Div. 5.

Fusius, Stal, Stett. Ent. Zeit. xxiii. 458; *Hem. Afr.* iii. 115.

53. *PIRATES RUBRICOSUS*.

Pirates rubricosus, Stal, Ofv. K. Vet. Ak. Forh. xii. 38—*Pirates basicalis*, Sgnt. Arch. Ent. ii. 310—*Fusius rubricosus*, Stal, *Hem. Afr.* iii. 115; *Ofv. K. V. Ak. Forh.* xxiii. 255.

Sierra Leone. Calabar. Natal.

54. *PIRATES DIMIDIATUS*.

Mas. Niger, fere linearis; caput longi-suboratum, prothoracis lobo antico brevius; antennæ capite et prothorace ad unum longiores; abdominis dimidium basale rufum; pedes antici rufi, tibiis apice tarsisque nigris; corium rufum.

Male. Black, narrow, smooth, shining, nearly linear. Head elongate-suboval, convex about the ocelli, shorter than the fore lobe of the prothorax; ante-ocular part about twice as long as the post-ocular. Rostrum hardly extending to the fore coxæ; second joint longer than the others. Antennæ longer than the head and the prothorax together, first joint hardly extending beyond the head, less than half as long as the second; third a little shorter than the second. Fore lobe of the prothorax about twice as long as the hind lobe, with seven slight furrows; the middle furrow widened hindward, the inner pair straight; the two outer pairs oblique. Abdomen red for a little more than half the length from the base. Fore femora and fore tibiae red, the latter blackish towards the tips. Corium red-lead colour. Length of the body $5\frac{1}{2}$ lines.

The black hind lobe of the prothorax and the corium without spots distinguish it from *P. rubricosus*.

a, b. Natal. From M. Gueinzus' collection.

Div. 6.

Sirthenes, Spin.

55. PIRATES FLAVICEPS.

Rusahus flaviceps, Sgnt. *A. S. E. F. 3me Sér.* viii. 960—*Sirthenes flaviceps*,
Stal, Hem. Afr. iii. 114; *Afr. K. V. Ak. Forh.* xxiii. 252.

Madagascar.

South Asia.

R. punctum and *R. bipunctatus* are omitted in the following synopsis.

| | | | |
|---|--|---|----------------------|
| A. Fore wings with no black white-bordered patches. | | | |
| a. Membrane pale at the tip. | | | |
| * Hind lobe of the prothorax black. | | | |
| † | Antennæ not banded. | apicalis, cordatus, ochropterus, Singalensis. | |
| †† | Antennæ banded. | - - - - | Cumingi. |
| ** Hind lobe of the prothorax luteous. | | | |
| † | Fore wings dark, with three pale spots. | | |
| † | Antennæ dark. | - - - - | decisus. |
| †† | Antennæ pale | - - - - | sexmaculatus. |
| †† | Corium pale, with a brown stripe. | - - - - | strigifer. |
| ††† | Corium pale, brown at the base and at the tip. | - - - - | quadrinotatus. |
| †††† | Corium brown, with a pale mark. | - - - - | basifer. |
| ††††† | Corium wholly pale, or with a black spot. | - - - - | posticus. |
| *** Hind lobe of the prothorax red. | | | |
| | | - - - - | mutilloidea. |
| b. Membrane dark at the tip. | | | |
| * Legs black. | | | |
| § | Fore wings with a luteous mark. | - - - - | Sinicus. |
| §§ | Fore wings with no markings. | | |
| × | Fore wings complete. | - - - - | Sinensis. |
| × | Fore wings incomplete. | - - - - | turpis. |
| ** Four anterior legs dark. | | | |
| † | Middle femora black. | - - - - | cyaneus. |
| †† | Middle femora red. | - - - - | rufifemor. |
| *** Four anterior legs partly black. | | | |
| **** | Tarsi and tips of the tibiae reddish. | - - - - | diffinis. |
| ***** | Four anterior legs pale. | | lepturoidea. |
| † | Prothorax black. | | |
| †† | Legs partly black. | - - - - | fuscicornis. |
| †† | Legs not partly black. | | |
| § | Fore wings not banded. | | |
| × | Fore wings with markings. | - - - - | cordiger, adjunctus. |
| × | Fore wings with no markings. | - - - - | naboides. |
| §§ | Fore wings banded. | - - - - | inscriptus. |
| †† | Prothorax pale. | | |
| † | Abdomen black. | - - - - | instabilis. |
| †† | Abdomen not black. | - - - - | latus. |
| c. Membrane cinereous. | | | |
| | | - - - - | hybrida. |
| B. Fore wings with black white-bordered patches. | | | |
| | | - - - - | pictus. |

56. *PIRATES CYANEUS*.

cyaneus, *Stal*, *A. S. E. F.* 4me Sér. iii. 56.

a Hindostan. From Col. Whitehill's collection.

Div. 2.

Ectomocoris, *Mayr*, *Verh. Zool. Bot. Gesell. Wien.* xv. 438.

57. *PIRATES QUADRIGUTTATUS*.

Ectomocoris coloratus, *Mayr*, *Verh. Zool. Bot. Gesell. Wien.* xv. 438—

Reduvius quadriguttatus, *Fabr. Ent. Syst.* iv. 202; *Syst. Rhyn.* 277

—*Ectomocoris quadriguttatus*, *Stal*, *Ofv. K. V. Ak. Forh.* xxiii. 256.

Bombay.

58. *PIRATES OCHROPTERUS*.

Ectomocoris ochropterus, *Stal*, *Ofv. K. V. Ak. Forh.* xxiii. 256.

Hindostan.

59. *PIRATES CORDIGER*.

Ectomocoris cordiger, *Stal*, *Ofv. K. V. Ak. Forh.* xxiii. 256.

North Hindostan.

60. *PIRATES PUNCTUM*.

Reduvius punctum, *Fabr. Ent. Syst.* iv. 203; *Syst. Rhyn.* 277—*Ectomocoris punctum*, *Stal*, *Ofv. K. V. Ak. Forh.* xxiii. 257.

Hindostan.

61. *PIRATES CORDATUS*.

Reduvius cordatus, *Wolff, Icon. Cim.* iv. 163, pl. 16, f. 157—*Ectomocoris cordatus*, *Stal*, *Ofv. K. V. Ak. Forh.* xxiii. 256.

a Hindostan.

b North Hindostan. From Capt. Boyes' collection.

c Hindostan. From the Zoological Society's collection.

d North Hindostan. From the Entomological Society's collection.

e Hindostan. From Mr. Children's collection.

62. *PIRATES FUSCICORNIS*.

Peirates fuscicornis, *Dohrn, Stett. Ent. Zeit.* xxi. 408—*Pirates atrox*, *Stal*, *Ofv. K. Vel. Ak. Forh.* xii. 187—*Ectomocoris atrox*, *Stal*, *Ofv. K. Vel. Ak. Forh.* xxiii. 257; xxvii. 692.

Ceylon. Java. Philippine Isles.

Div. 3.

Sirthenea, Spin.

63. PIRATES APICALIS.

Rasahus apicalis, Sgnt. *A. S. E. F.* 4me Sér. ii. 125—*Sirthenea apicalis*,
Stal, Ofv. K. V. Ak. Forh. xxiii. 252.

Cochin China.

Div. 4.

Spilodermus, *Stal, Hem. Fabr.* i. 122.

64. PIRATES QUADRINOTATUS.

Reduvius quadrinotatus, *Fabr. Ent. Syst. Suppl.* 544; *Syst. Rhyn.* 277—
Peirates biguttatus, *Dohrn. Ent. Zeit.* xxi. 407—*Spilodermus quadri-*
notatus, *Stal, Hem. Fabr.* i. 122.

Hindustan. Ceylon.

65. PIRATES CUMINGI.

Rasahus Cumingi, *Dohrn, Stett. Ent. Zeit.* xxi. 407—*Sirthenea Cumingi*,
Stal, Ofv. K. V. Ak. Forh. xxiii. 252.

Ceylon.

66. PIRATES SINENSIS.

Mas et fœm. Niger, linearis; caput conicum, prothoracis lobo anteo-
vix brevius; prothoracis lobus posticus rufo-piceus, corium vitta
subcostali abbreviata lutea, strigis duabus plagaque anteriore atris.

Male and female. Black, linear, narrow, thinly hairy, slightly shining. Head conical, almost as long as the fore lobe of the prothorax; ante-ocular part more than twice as long as the post-ocular. Antennæ hardly as long as the head and the prothorax together; first joint as long as the ante-ocular head, second very much longer than the first; third a little shorter than the second; fourth as long as the second. Fore lobe of the prothorax twice as long as the hind lobe, longitudinal furrows distinct. Hind lobe reddish piceous. Legs moderately long and stout; furrow beneath the fore tibia nearly half as long as the latter. Corium with a luteous subcostal abbreviated stripe, which is connected with a deep black streak and with an exterior deep black patch; a little deep black streak at the base of the inner border. Length of the body 6 lines.

A hind leg of one of the specimens described is ferruginous and shorter than the other.

a, b. Hong Kong. Presented by J. C. Bowring, Esq.

67. PIRATES ADJUNCTUS.

Mas. Niger; caput longi-conicum; antennæ capite et prothorace ad-
unum longiores, spina pectoralis fulva, pedes fulvi; corium basi
luteo oblique unistrigatum; membrana luteo unipunctatum.

Male. Black, smooth, shining, elongate-subfusiform. Head elongate-conical, nearly as long as the fore lobe of the prothorax; ante-ocular part about twice the length of the post-ocular. Antennæ setulose, rather longer than the head and the prothorax together; first joint very much shorter than the second; third a little longer than the second; fourth as long as the second. Fore lobe of the prothorax twice as long as the hind lobe, with the usual seven furrows, which are well defined. Propectus with a long stout tawny spine extending backward from between the fore coxæ. Scutellum triangular, compressed and slightly ascending at its tip. Legs tawny, spongy furrow of the fore tibiæ less than half the length of the latter. Fore wings with a broad short oblique luteous streak at the base of the corium and with a luteous point in the membrane near the base. Length of the body 7 lines.

Closely allied to *P. cordatus*.

- a. Hindostan. Presented by W. W. Saunders, Esq.
- b. North Bengal. From Lieut. Campbell's collection.
- c. Hindostan. From the Entomological Society's collection.

68. *PIRATES INSCRIPTUS*.

Fœm. *Niger, cinereo tomentosus, capite antico antennis pedibusque rufis; caput longi-conicum, prothoracis lobo antico aquilongum; antennæ capite et prothorace ad unum longiores, apices versus piceæ; alæ anticæ atræ, luteo bisittatæ et bifasciatæ, apice nigræ.*

Female. Black, elongate-subfusiform, with cinereous tomentum. Ante-ocular head mostly red. Rostrum, antennæ and legs red. Head elongate-conical, as long as the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ longer than the head and the prothorax together; first joint as long as the ante-ocular head, second more than twice as long as the first; third piceous, as long as the second; fourth gone in the specimen described. Fore lobe of the prothorax a little more than twice as long as the hind lobe; furrows extremely slight, except the hind part of the middle one. Spongy furrow of the fore tibiæ less than half as long as the latter. Fore wings deep black except towards the tips, with two abbreviated luteous stripes, one postal, the other along the interior border, both interlined with black and connected by two luteous bands, the outer band very much broader than the inner one. Length of the body 9 lines.

- a. Sum. Presented by W. W. Saunders, Esq.

69. *PIRATES POSTICUS*.

Mas. *Niger; caput longi-conicum, antice fulvum, prothoracis lobo antico brevius; rostrum, antennæ, prothoracis lobus posticus, spina pectoralis, connexivum, pedes et corium fulva, antennæ capite et prothorace ad unum paullo longiores, scutellum piceum aut ferrugineum, abdomen basi fulvum; corium nonnunquam nigro unimaculatum; membrana nigricans, nigro late unifasciatæ, apice albida.*

73. *PIRATES DECISUS*.

Form. Fœm. sicut vir. caput longi-conicum, prothoracis lobis
antice paulo breviora, antennæ capite et prothorace
longiores, scutellum et abdomen nigra, spina pectoralis
brunnea, et alia nigra, maculis duabus plagaque, intermedia
lutea.

Form. Teneb. elongate-subfusiform. Head elongate-conical, shorter than the body, ante-ocular part full twice as long as the post-ocular, a depression on each side of the neck. Antennæ setulose, rather longer than the head and the prothorax together; first joint much shorter than the second, third longer than the second; fourth a little shorter than the second. Fore lobe of the prothorax with distinct furrows, nearly twice as long as the hind lobe. Propectus with a long acute median spine. Scutellum black, compressed and slightly rising at the tip. Petiole abdominal, cone and wings black. Spongy furrows of the fore tibiae a little shorter than the latter. Fore wings with a luteous spot near the base, with a narrow patch in the middle, and with a luteous apical spot. Length of the body 5½ lines.

a. North Bengal. From Lieut. Campbell's collection.

b. Hindustan. Presented by W. W. Saunders, Esq.

74. *PIRATES INSTABILIS*.

Max. Luteus, caput conicum, nigricans biplagiatus, prothoracis lobis antice paulo breviora, antennæ capite et prothorace ad unum longiores, scutellum et abdomen nigra, hujus latera lutea; alia antice nigra, flavo uniplagiata. Var? Fœm.—Nigra, antennarum articulis luteis pedibus luteis.

Male. Luteous, smooth, shining, elongate-subfusiform. Head conical, with a blackish patch on each side, a little shorter than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ setulose, rather longer than the head and the prothorax together; first joint hardly more than half as long as the second; third a little longer than the second; fourth as long as the second. Fore lobe of the prothorax nearly twice as long as the hind lobe; furrows not apparent, except the hind part of the middle one. Scutellum black, nearly equilaterally triangular, compressed and slightly elevated at the tip. Abdomen black, luteous along each side. Spongy furrow of the fore tibiae less than half as long as the latter. Fore wings black, with a yellow patch near the base. *Var? Female.*—Black. First joint of the antennæ luteous, rather more than half as long as the second; third a little shorter than the second; fourth a little shorter than the third. Fore lobe of the prothorax with distinct furrows. Legs luteous. Length of the body 6½—7 lines.

a. North Bengal. From Lieut. Campbell's collection.

b. Hindustan.

75. *PIRATES LATIFER.*

Mas. *Luteus; caput conicum, prothoracis lobo antico paullo brevius; antennæ piceæ, capite et prothorace ad unum multo longiores; prothoracis lobus anticus nigro late trifasciatus, lobus posticus margine antico duoque nigris; venter fasciis duabus piceis latis dentatis; alæ antice nigrae.*

Male. Luteous, elongate-subfusiform. Head conical, a little shorter than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ piceous, much longer than the head and the prothorax together, first joint longer than the ante-ocular head; second more than twice as long as the first; third a little shorter than the first, fourth a little shorter than the third. Fore lobe of the prothorax with a broad black middle stripe; sides and pectus black; middle furrow well defined along the whole length. Hind lobe black along the fore border, the hind part of this band rounded and extending nearly or quite to the hind border. Scutellum with elevated sides and with a compressed piceous tip. Abdomen beneath with two broad piceous bands, which emit branches on each side along the fore borders of the segments and are united towards the tip, which they wholly occupy. Spongy furrows of the four anterior tibiae about one-third as long as the latter. Fore wings black. Length of the body 8 lines.

Hindustan. Presented by J. C. Bowring, Esq.

Hindustan. Presented by W. W. Saunders, Esq.

76. *PIRATES RUPIFEMUR.*

Fem. *Niger; caput longi-conicum, prothoracis lobo antico æquilongus, collo bituberculato; antennæ capite et prothorace ad unum longiores, connexivum testaceo maculatum; pedes longi, femoribus rufis, corium striga apud marginem interiorem maculaque subapicali testaceis.*

Female. Black, smooth, shining, elongate-subfusiform. Head setaceous, elongate-conical, as long as the fore lobe of the prothorax, tumid about the ocelli, ante-ocular part much longer than the post-ocular, including the neck, which is rather long and has a tubercle on each side. Antennæ slightly setulose, longer than the head and the prothorax together; first joint a little more than half as long as the second; third very much longer than the second; fourth much shorter than the second. Fore lobe of the prothorax with a middle furrow, which is more determinate hindward, and with three slight furrows on each side. Hind lobe more than half as long as the fore lobe. Scutellum with a slight transverse depression near the base; tip compressed, slightly excavated. Connexivum with testaceous spots. Legs long, femora red, fore tibiae clavate, with a spongy furrow, which is not more than one-third of their length. Wings blackish, extending a little beyond the tip of the abdomen. Corium with a testaceous streak along the interior border, and with an elongate testaceous spot near the tip. Length of the body 10 lines.

Ceylon. From Dr. Thwaites' collection.

77. *PIRATES DIFFINIS*.

Fœm. *Niger, cinereo tomentosus; caput longi-conicum, prothoracis lobo antico brevius, collo bituberculato; antennæ capite et prothorace ad unum paullo longiores; connexivum flavo maculatum; femora quatuor posteriora basi flava; tibiæ fulvæ; alæ anticæ picco-nigræ, breviusculæ, plaga longa discali maculam flavam transversam includente, litura membranæ lutea furcata.*

Female. Black, elongate-subfusiform, with cinereous tomentum. Head elongate-conical, shorter than the fore lobe of the prothorax; ante-ocular part nearly twice as long as the post-ocular; neck with a tubercle on each side. Antennæ a little longer than the head and the prothorax together; first joint very much shorter than the second; third rather shorter than the second. Fore lobe of the prothorax about twice as long as the hind lobe, with seven slight keels, depressed on each side of the middle keel hindward. Scutellum compressed and slightly elevated at the tip. Connexivum with yellow spots. Coxæ mostly yellow. Four posterior femora yellow towards the base. Tibiæ tawny; fore tibiæ clavate, the spongy furrow about half their length. Tarsi piceous. Fore wings piceous, black, not extending to the tip of the abdomen; a deep black elongate patch in the disk, with a transverse yellow spot near its base; a luteous forked mark in the disk of the membrane. Length of the body $7\frac{1}{2}$ — $8\frac{1}{2}$ lines.

a. North China. From Mr. Fortune's collection.

b, c. Sarawak. From Mr. Wallace's collection.

d. Borneo. Presented by J. C. Bowring, Esq.

78. *PIRATES TURPIS*.

Fœm. *Niger, longi-subfusiformis; caput conicum, prothoracis lobo antico æquilongus; antennæ capite et prothorace ad unum æquilongæ; alæ anticæ parvæ, fulvæ ad partem venosæ.*

Female. Black, smooth, shining, elongate-subfusiform. Head conical, as long as the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ as long as the head and the prothorax together, first joint a little more than half as long as the second; third shorter than the second; fourth shorter than the third. Fore lobe of the prothorax with slight furrows, more than twice as long as the hind lobe. Scutellum compressed and slightly elevated at the tip. Fore tibiæ clavate, with a spongy furrow towards the tips beneath. Fore wings incompletely developed in the specimen described; veins in the disk partly tawny. Hind wings pellucid. Length of the body $6\frac{1}{2}$ lines.

a. Hong Kong. Presented by J. C. Bowring, Esq.

79. *PIRATES MUTILLOIDES*.

Fœm. *Niger, fere linearis, cinereo tomentosus; caput conicum, prothoracis lobo antico paullo brevius, prothorax, scutellum corinque dimidium basale rufa, connexivum albo maculatum; femora basi alba; membrana basi maculaque subapicali albis. Var. β.—Prothoracis lobus anticus niger.*

Female. Black, nearly linear, with cinereous tomentum. Head conical, a little shorter than the fore lobe of the prothorax; ante-ocular part rather longer than the post-ocular. Antennæ slender, rather longer than the head and the prothorax together; first joint as long as the ante-ocular head, second very much longer than the first; third as long as the second, fourth a little longer than the second. Prothorax, scutellum and basal half of the corium red. Fore lobe of the prothorax almost twice as long as the hind lobe; longitudinal furrows distinct. Connexivum with blue spots. Legs moderately long and slender, coxæ at the tips and femora at the base white; furrow beneath the fore tibiæ nearly half as long as the latter. Membrane white at the base and with a large round subapical white spot. *Var. β.*—Fore lobe of the prothorax black. Length of the body $5\frac{1}{2}$ lines.

α. Subet. Presented by J. C. Bowring, Esq.

β. Lombok. Presented by W. W. Saunders, Esq.

80. PIRATES NABOIDES.

Fam. *Testaceus, sublinearis, subtus fusco conspersus; caput nigricans, subellipticum, prothoracis lobo antico paullo brevius; prothoracis lobus anticus fusco vittatus; femora antica valde incrassata; alæ antica pallide fusca.*

Female. Testaceous, nearly linear. Head and antennæ blackish. Head subelliptical, a little shorter than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ setaceous, not longer than the head and the prothorax together; first joint a little shorter than the ante-ocular head; second about four times as long as the first, third almost as long as the first, fourth as long as the third. Prothorax with rounded and not prominent angles. Fore lobe with some irregular brown stripes, about twice as long as the hind lobe. Scutellum ending in a short horizontal spine. Abdomen beneath and legs speckled with brown. Fore femora much incrassated. Fore wings pale brown. Length of the body $5\frac{1}{2}$ lines.

α. Hindostan. Presented by W. W. Saunders, Esq.

81. PIRATES BIPUNCTATUS.

Adonius bipunctatus, Fabr. Ent. Syst. iv. 203; Syst. Rhyn. 278—Pirates hybridus, Stål, Hem. Fabr. i. 120.

Hindostan.

82. PIRATES SINGALENSIS.

Females Singalensis, Dohrn, Stett. Ent. Zeit. xxi. 408.

Ceylon.

83. PIRATES SINICUS.

Fam. *Niger, fusiformis; caput prothoracis lobo antico paullo brevius; antennæ capite et prothorace ad unum multo longiores; femora antica crassa; alæ antica piceæ.*

Female. Black, fusiform, slightly shining. Head fusiform, a little shorter than the fore lobe of the prothorax; ante-ocular part a little longer

than the post-ocular. Antennæ much longer than the head and the prothorax together; first joint much longer than the ante-ocular head; second about twice as long as the first; third shorter than the second. Prothorax with rounded and not prominent angles. Fore lobe full twice as long as the hind lobe. Fore femora incrassated. Fore wings piceous. Hind wings pellucid. Length of the body 6 lines.

c. North China. From Mr. Fortune's collection.

Div.

Dicaetropis, Mayr, *Verh. Zool. Bot. Ges. Wien*, xv. 438—*Androclus*, Stal, *A. S. E. F. 4me Sér.* iii. 58.

84. *PIRATES PICTUS*.

pictus, H.-Sch. *Wanz. Ins.* viii. 63, pl. 266, f. 827.

a, b. Hindostan. From Mr. Wooley's collection.

c. Hong Kong. Presented by J. C. Bowring, Esq.

d. ———? From Mr. Vigors' collection.

e. ———?

85. *PIRATES GRANULATUS*.

Androclus granulatus, Stal, *A. S. E. F. 4me Sér.* iii. 58.

Deccan.

86. *PIRATES LEPTUROIDES*.

Reduvius lepturoides, Wolff, *Icon. Cim.* iii. 122, pl. 12, f. 116—*Pirates lepturoides*, Stal, *Ofv. K. V. Ak. Forh.* xxiii. 262.

Hindostan.

Eastern Isles.

A. Fore wings with no pale stripe.

a. Legs partly pale.

* Fore wings with one pale mark. - - - *flavomaculatus*.

** Fore wings with a white band.

† Femora with a white band. - - - *concinna*.

†† Femora with no white band.

‡ Femora white at the base. - - - *arcuatus*.

†† Femora not white at the base. - - - *biguttatus*.

*** Fore wings with three pale marks. - - - *sexguttatus*.

b. Legs wholly black. - - - *caliginosus*.

B. Fore wings with a pale stripe from the base. - *atromaculatus*.

C. Fore wings with two pale stripes. - - - *interruptus*.

D. Fore wings with many pale streaks. - - - *sculpturatus*.

Div. 1.

Ectomocoris, Mayr.

87. *PIRATES FLAVOMACULATUS*.

Ectomocoris flavomaculatus, Stal, *Ofv. K. Vet. Ak. Forh.* xxvii. 692.

Philippine Isles.

88. *PIRATES BIGUTTULUS*.*Ectemcoria biguttulus*, Stal, *Ofs. K. Vet. Ak. Forh.* xxvii. 692.

Philippine Isles.

Div. 2.

Spilodermus, Stal.89. *PIRATES ARCUATUS*.*Spilodermus arcuatus*, Stal, *Ofs. K. Vet. Ak. Forh.* xxvii. 692—"S. quadripunctatus, var.?" Stal.

Philippine Isles.

Div. 3.

Brachysandalus, Stal, *Ofs. K. Vet. Ak. Forh.* xxiii. 251, 260.90. *PIRATES SEXGUTTATUS*.*Brachysandalus sexguttatus*, Stal, *Ofs. K. Vet. Ak. Forh.* xxiii. 261.

Mysol.

Div. 4.

Cleptocoris, Stal.91. *PIRATES ATROMACULATUS*.*Cleptocoris atromaculatus*, Stal, *Ofs. K. Vet. Ak. Forh.* xxvii. 692.

Philippine Isles.

Var.? *Female*. Black, slightly hairy, elongate-subfusiform. Head conical, as long as the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ setulose, rather longer than the head and the prothorax together; first joint much more than half as long as the second; third a little shorter than the second. Fore lobe of the prothorax about twice as long as the hind lobe, furrows slight. Corium with a luteous subcostal stripe, which beyond its middle emits a streak from its inner side and there partly includes a subquadrate deep black spot. Membrane with a large elliptical deep black spot, which extends to its base. Length of the body 6 lines.

a. Java.

92. *PIRATES CALIGINOSUS*.

Fem. *Niger*; caput longi-conicum, prothoracis lobo antico paullo brevius; antennæ capite et prothorace ad unum paullo longiores; spina pectoralis bene determinata; connexivum flavescens maculatum; pedes picei, femoribus anticis nigris; alæ anticae piceo-nigrae, macula discali punctoque subapicali luteis.

Female. Black, smooth, shining, elongate-subfusiform. Head elongate-conical, a little shorter than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ a little longer than the head and the prothorax together; first joint about half as long as the

second; third shorter than the second. Fore lobe of the prothorax a little more than twice as long as the hind lobe; furrows very slight. Scutellum compressed and slightly elevated at the tip. Propectus with a stout retracted spine. Connexivum with dingy yellow spots. Legs piceous; fore femora black, four posterior tibiae furrowed above towards their tips; fore tibiae furrowed beneath along most of the length. Fore wings piceous-black, with a luteous spot in the disk near the base, and with a luteous point near the tip of the costa. Length of the body $6\frac{1}{2}$ lines.

a. Java. Presented by J. C. Bowring, Esq.

b. Philippine Isles. From Mr. Cuming's collection.

93. *PIRATES CONCINNUS*.

Mas. Niger; caput longi-conicum, prothoracis lobo antico æquilongum; antennæ capite et prothorace ad unum longiores; prothorax antice bituberculatus; abdomen subtus apice rufescens, connexivo albo-maculato; femora quatuor posteriora albo unifasciata; alæ anticæ striga maculaque albis sub-basalsibus.

Male. Black, smooth, shining, elongate-subfusiform. Head elongate-conical, as long as the fore lobe of the prothorax, tumid about the ocelli; ante-ocular part more than twice as long as the post-ocular. Antennæ longer than the head and the prothorax together; first joint setose, a little less than half as long as the second; third a little shorter than the second; fourth longer than the second. Fore lobe of the prothorax with a middle furrow, which is widened hindward, less than twice as long as the hind lobe; a tubercle on each side of the fore border. Abdomen reddish at the tip beneath; connexivum with white spots. Four hind femora with a white band near the base. Fore tibiae clavate, their spongy furrow less than half their length. Fore wings with a white costal streak near the base, and with a white spot by the interior border near the base. Length of the body 4 lines.

There is a white costal spot beyond the middle in the left fore wing of the species described.

a. New Guinea. Presented by W. W. Saunders, Esq.

94. *PIRATES INTERRUPTUS*.

Mas et fem. Piceus, fusiformis; caput conicum, prothoracis lobo antico longius; antennæ gracillimæ; prothoracis lobus posticus trisulcatus; tibiæ tarsique fulvæ; corium vittis duabus pallide flavis furcatis connexis. Var. β.—Femora postica flava, basi apiceque picea; tibiæ tarsique flava; corii vittæ integræ, disjunctæ.

Male and female. Piceous, fusiform. Head conical, rather longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ very slender, rather longer than the head and the prothorax together; first joint shorter than the ante-ocular head; second full four times as long as the first, third a little longer than the second; fourth a little longer than the third. Fore lobe of the prothorax hardly shorter than the hind lobe; longitudinal furrows well defined. Hind lobe with three straight parallel longitudinal furrows. Scutellum compressed at

the tip. Tibiæ and tarsi tawny; furrow beneath the fore tibiæ hardly one-third as long as the latter. Corium with two pale yellow stripes, which are irregularly forked and connected towards their tips, one subcostal, the other along the clavus. *Var. β.*—Hind femora yellow, except at the base and towards the tips. Tibiæ and tarsi yellow. Streaks of the corium not forked nor connected. Length of the body 7 lines.

a. Am. Presented by W. W. Saunders, Esq.

b. New Guinea. Presented by W. W. Saunders, Esq.

95. *PIRATKE SCULPTURATUS.*

Mus. Niger, longi-subfusiformis; caput fusiforme, prothoracis lobo antico multo longius; prothoracis lobus anticus sulcis sex bene determinatis, lobus posticus luteo quadrimaculatus, angulis laterilibus rubacutis; scutellum apicem versus spiniforme, subascendens; connexivum luteo maculatum; femora apice luteo fasciata; corium strigis quinque longitudinalibus strigisque exteriore transversa flavis; membranæ venæ flavescente marginatæ.

Male. Black, elongate-subfusiform. Head fusiform, much longer than the fore lobe of the prothorax, ante-ocular part as long as the post-ocular. Antennæ slender, much longer than the head and the prothorax together, first joint nearly as long as the head; second nearly twice as long as the first, third longer than the second. Fore lobe of the prothorax with six strongly-marked furrows, of which the outer pair are abbreviated in front and the two inner pairs are curved. Hind lobe as long as the fore lobe, with four large luteous spots; side angles prominent, slightly acute. Scutellum forming towards the tip an acute obliquely ascending spine. Connexivum with luteous spots. Femora with a luteous band near the tip. Furrow beneath the four anterior tibiæ less than half as long as the latter. Corium with five yellow streaks, of which the three outer are connected at their tips by a transverse yellow streak. Membrane with yellowish-bordered veins. Length of the body 10 lines.

a. Java.

Australia.

A. Prothorax black.

a. Legs red.

* Disk of abdomen regularly black.

† Legs slender. - - - - - *truculentus.*

†† Legs stout. - - - - - *diversus.*

** Disk of abdomen irregularly black. - - - *ornatus.*

b. Legs not red.

* Wings complete.

† Fore wings with a pale subapical spot.

‡ Corium red. - - - - - *decurellus.*

‡‡ Corium not red. - - - - - *decoratus.*

†† Fore wings with no pale subapical spot.

‡ Legs black.

§ Antennæ not pale towards the tips.

× Corium wholly tawny. - - - *fulvipennis.*

×× Corium with a pale spot.

| | | | | |
|------|--|---|---|---------------|
| o | Fore femora with minute spines beneath. | - | - | belluo. |
| oo | Fore femora with minute tubercles beneath. | - | - | lurco. |
| XXX | Corium tawny at the base. | - | - | |
| o | Connexivum with no pale spots. | - | - | fuliginosus. |
| oo | Connexivum with pale spots. | - | - | umbrosus. |
| XXXX | Corium not tawny at the base. | - | - | obscurus. |
| §§ | Antennæ pale towards the tips. | - | - | sobrius. |
| †† | Legs tawny. | - | - | |
| § | Fore wings not luteous at the base. | - | - | glaber. |
| §§ | Fore wings luteous at the base. | - | - | ephippiger. |
| ** | Wings incomplete. | - | - | |
| † | Body black. | - | - | punctorius. |
| †† | Body bluish black. | - | - | patricius. |
| B. | Prothorax red. | - | - | erythromelas. |

Div. 1.

Brachysandalus, *Stal.*96. *PIRATES LURCO.*

Brachysandalus lurco, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 260.
Adelaide.

97. *PIRATES PUNCTORIUS.*

Brachysandalus punctorius, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 260.
Melbourne.

98. *PIRATES HELLUO.*

Brachysandalus helluo, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 260.
Melbourne.

99. *PIRATES FULIGINOSUS.*

fuliginosus, *Erichs. Arch. Naturg.* viii. 283—*Brachysandalus fuliginosus*,
Stal, Ofv.

- a—c. Tasmania. From Dr. Hooker's collection.
d, e. Moreton Bay. From Mr. Stevens' collection.
f. Moreton Bay. From Mr. Diggles' collection.
g. Australia. From Mr. Argent's collection.
h. Australia. From Mr. Marsden's collection.
i. Melbourne. From Mr. Stevens' collection.
j. Swan River. From Mr. Turner's collection.
k. Victoria River, North Australia. Presented by J. R. Elsey, Esq.

100. *PIRATES EPHIPPIGER.*

Pirates ephippiger, *White, Voy. Dieffenb. Trav.* ii. 283—*Brachysandalus ephippiger*, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 260.

- a. Richmond River. Presented by W. W. Saunders, Esq.
b. New Zealand. Presented by Dr. Sinclair.

Male. Bright red, elongate-fusiform. Head, rostrum, antennæ, legs and membrane black. Head conical, shorter than the fore lobe of the prothorax, ante-ocular part much longer than the post-ocular. Antennæ much longer than the head and the prothorax together; first joint as long as the ante-ocular head; second more than thrice as long as the first; third a little longer than the second, fourth much shorter. Fore lobe of the prothorax nearly twice as long as the hind lobe; hind part of the middle furrow well defined. Abdomen black at the tip beneath. Legs stout, unilobed, spongy furrow of the fore tibiae less than half as long as the latter. Length of the body $6\frac{1}{2}$ lines.

a. Port Essington. Presented by the Earl of Derby in 1846.

110. *PIRATES DECORELLUS.*

Male. *Ferrugineus, fere linearis, caput conicum, prothoracis lobo antico brevius; antennæ fulvæ; scutellum apicem versus spiniforme, subsacculum, connexivum pallide flavum, nigro maculatum; venter niger, pedes fulvi, femoribus anticis crassis extus piceis; corium albo bistrigatum, atro late unistrigatum; membrana atra, apicem versus nigro-cinerea.*

Male. Ferruginous, narrow, nearly linear. Head conical, nearly as long as the fore lobe of the prothorax; ante-ocular part rather longer than the post-ocular. Antennæ tawny, longer than the head and the prothorax together, first joint a little longer than the ante-ocular head; second nearly twice as long as the first; third somewhat longer than the second. Fore lobe of the prothorax a little more than twice as long as the hind lobe; longitudinal furrows slight. Scutellum towards the tip forming an obliquely ascending spine. Abdomen black beneath; connexivum pale yellow, with black spots. Legs tawny; fore femora unilobed, piceous on the outer side; furrow beneath the fore tibiae less than half as long as the latter. Corium red, with a white streak along the clavus and with another along the exterior border; a broad deep black streak along the outer side of the first white streak. Membrane deep black, blackish cinereous at the tip. Length of the body 6 lines.

a. Moriton Bay. Presented by W. W. Saunders, Esq.

111. *PIRATES GLABER.*

Female. *Niger, glaber, nitens, fere linearis, subtus piceus; caput longiconicum, prothoracis lobo antico aequalongum; antennæ piceæ; abdomen fulvum, vitta ventrique piceis, pedes fulvi, femoribus anticis crassis; alæ anticae piceæ, membrana fusco-cinerea.*

Female. Black, smooth, shining, nearly linear, piceous beneath. Head elongate-conical, as long as the fore lobe of the prothorax, protuberant about the ocelli, ante-ocular part more than twice as long as the post-ocular. Antennæ piceous, a little longer than the head and the prothorax together; first joint half as long as the ante-ocular head; second about twice as long as the first; third a little shorter than the second; fourth a little shorter than the third. Fore lobe of the prothorax almost twice as long as the hind lobe, furrows hardly visible, except the hind part of the middle one. Scutellum acute; disk concave. Abdomen tawny, with a piceous stripe; under side piceous, except the connexivum. Legs

107. *PIRATES SOBRIUS.*

Fœm. *Niger, subtiliter scaber, cinereo tomentosus; caput conicum; antennæ capite et prothorace ad unum longiores; connexivum testaceo maculatum; pedes picei, tibiis fulvis apice piceis; alæ anticae atrae, brevissimæ, margine anteriore testaceo.*

Female. Black, elongate-subfusiform, finely scabrous, with cinereous tomentum. Head conical; ante-ocular part more than twice as long as the post-ocular. Antennæ rather longer than the head and the prothorax together; first joint a little more than half as long as the second; third yellow, black towards the base, much shorter than the second; fourth a little shorter than the second. Fore lobe of the prothorax more than twice as long as the hind lobe; furrows slight. Abdomen ferruginous about the hind borders of the two last segments; connexivum with testaceous spots. Legs piceous, stout; tibiæ tawny, piceous at the tips; fore tibiæ with a short spongy furrow. Fore wings deep black, rudimentary; inner border testaceous. Length of the body 7 lines.

The incomplete wings of the specimen described indicate that it is not fully developed.

a. Moreton Bay. From Mr. Stevens' collection.

108. *PIRATES FULVIPENNIS.*

Mas. *Niger, subtomentosus; caput longi-conicum, prothoracis lobo antico æquilongum; antennæ capite et prothorace ad unum paullo longiores; prothorax antice bituberculatus; tibiæ apices versus aureo pubescentes; alæ anticae fulvæ, apices versus piceæ.*

Male. Black, shining, elongate-subfusiform, slightly tomentose. Head elongate-conical, as long as the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ setulose, a little longer than the head and the prothorax together; first joint about half as long as the second; third a little shorter than the second; fourth a little shorter than the third. Fore lobe of the prothorax nearly twice as long as the hind lobe; furrows slight, excepting the hind part of the middle one; a tubercle on each side of the fore border. Tibiæ towards the tips with gilded pubescence. Four anterior tibiæ clavate, the spongy furrow not more than one-third of their length. Fore wings tawny, piceous towards their tips, the tawny part extending most along the costa. Hind wings pellucid, piceous towards their tips. Length of the body $5\frac{1}{2}$ lines.

a. Melbourne. From Mr. Stevens' collection.

b, c. Australia. From Mr. Argent's collection.

109. *PIRATES ERYTHROMELAS.*

Mas. *Rufus; caput nigrum, conicum, prothoracis lobo antico brevius; antennæ capite et prothorace ad unum multo longiores; abdomen apice subtus nigrum; pedes nigri, robusti, membrana nigricans.*

Genus 4. PACHYNOMUS.

Pachynomus, *Klug, Symb. Phys. De Lap. Hem.* 81. *Burm. Handb. Ent.* ii. 240. *Serv. Hist. Hem.* 326. *Stal, Hem. Afr.* iii. 38.

Africa.

Div. 1.

1. PACHYNOMUS PICIPES.

Reduvius (Eumerns) *picipes*, *Klug, Symb. Phys. Ins.* ii. pl. 9, f. 9—*Pachynomus picipes*, *Burm. Handb. Ent.* ii. 241. *Serv. Hist. Hem.* 327.

Nubia.

a, b Egypt. From Mr. Stevens' collection.

2. PACHYNOMUS BRUNNEUS.

brunneus, *De Lap. Ess. Hem.* 81. *Burm. Handb. Ent.* ii. 240. *Stal, Hem. Afr.* iii. 39.

Senegal.

South Asia.

3. PACHYNOMUS BIGUTTATUS.

biguttatus, *Stal, A. S. E. F. 4me Sér.* iii. 53.

a—c. Hindostan. From the collection of the Entomological Society.

f—h. Hindostan. From Mr. Wooley's collection.

i, j. North Hindostan. From Capt. Boyes' collection.

k. North Bengal. From Lieut. Campbell's collection.

4. PACHYNOMUS ZONATUS.

Mas. Niger, subtus rufus; caput antice conicum, prothoracis lobo antico paullo longius; antennæ capite et prothorace ad unum multo longiores; prothoracis lobus posticus et scutellum rufa; abdomen apice subtus piceum; pedes nigri, tibiae tarsisque piceis.

Male. Black, smooth, shining, fusiform, red beneath. Head conical in front, a little longer than the fore lobe of the prothorax, ante-ocular part as long as the post-ocular. Antennæ much longer than the head and the prothorax together; first joint a little shorter than the ante-ocular part of the head; second full thrice as long as the first; third shorter than the second; fourth shorter than the third. Fore lobe of the prothorax with distinct furrows, as long as the hind lobe, which is red. Scutellum red, compressed at the tip. Abdomen piceous beneath at the tip. Legs black; tibiae and tarsi piceous. Fore wings dull. Length of the body $4\frac{1}{2}$ lines.

a. Gdolo. Presented by W. W. Saunders, Esq.

tawny; fore femora incrassated; furrow beneath the fore tibiae less than half as long as the latter. Fore wings piceous, membrane brownish cinereous. Hind wings pale cinereous. Length of the body 9 lines.

a. Australia. From Mr. Damel's collection.

Country unknown.

112. *PIRATES CONTIGUUS*.

Mas. *Niger; caput longi-conicum, prothoracis loba antico aquilongum; antennæ capite et prothorace ad unum longiores, articulo 1o subtus ad partem flavescente, scutellum spina apicali armatum; connexivum pallide flavum; venter maculis quatuor flavescens triangularibus; femora basi alba; alæ anticae disco atro, linea apud clavum alba, macula discali lutea magna.*

Male. Black, elongate-subfusiform. Head elongate-conical, as long as the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ longer than the head and the prothorax together; first joint as long as the ante-ocular head, pale yellowish beneath except at the base and at the tip; second a little more than twice as long as the first; third a little shorter than the second. Fore lobe of the prothorax twice as long as the hind lobe; furrows well defined. Scutellum elongated into an acute spine. Connexivum pale yellow; each costal segment from the first to the fourth with a triangular pale yellowish spot. Femora towards the base and coxæ white; spongy furrow of the fore tibiae three-fourths of the length of the latter. Fore wings deep black except along the costa and towards the tips; a white line along the clavus and a large luteous spot in the disk beyond the middle. Length of the body 7 lines.

a. ———? Presented by W. W. Saunders, Esq.

113. *PIRATES TRINOTATUS*.

Mas. *Piceus, longi-subfusiformis; caput conicum, prothoracis loba antico aquilongum; pedes longiusculi; alæ anticae piceae, striga basali obliqua macula transversa maculaque triangulari subapicali pallide flava.*

Male. Piceous, shining, elongate-subfusiform. Head conical, as long as the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Fore lobe of the prothorax nearly twice as long as the hind lobe; hind part of the middle longitudinal furrow distinct and wide; the other furrows not apparent. Scutellum compressed towards the tip; disk concave. Legs rather long. Fore wings piceous; an oblique pale yellow streak extending from the base of the costa along the clavus; a transverse pale yellow spot at the tip of the corium and a triangular pale yellow spot in the membrane. Length of the body 9 lines.

Closely allied to *P. rufus*. The prothorax is a little broader; the two teeth on its fore border are more prominent; the basal streak of the fore wing is narrower at the base, and the two hinder patches are differently shaped.

a. ———?

Genus 4. PACHYNOMUS.

Pachynomus, *Klug, Symb. Phys. De Lap. Hem.* 81. *Burm. Handb. Ent.* ii. 240. *Serv. Hist. Hem.* 326. *Stal, Hem. Afr.* iii. 38.

Africa.

Div. 1.

1. PACHYNOMUS PICIPES.

Reduvius (Enumerus) *picipes*, *Klug, Symb. Phys. Ins.* ii. pl. 9, f. 9—*Pachynomus picipes*, *Burm. Handb. Ent.* ii. 241. *Serv. Hist. Hem.* 327.

Nubia.

a, b. Egypt. From Mr. Stevens' collection.

2. PACHYNOMUS BRUNNEUS.

brunneus, *De Lap. Ess. Hem.* 81. *Burm. Handb. Ent.* ii. 240. *Stal, Hem. Afr.* iii. 39.

Senegal.

South Asia.

3. PACHYNOMUS BIGUTTATUS.

biguttatus, *Stal, A. S. E. F. 4me Sér.* iii. 53.

a—c. Hindostan. From the collection of the Entomological Society.

f—h. Hindostan. From Mr. Wooley's collection.

i, j. North Hindostan. From Capt. Boyes' collection.

k. North Bengal. From Lieut. Campbell's collection.

4. PACHYNOMUS ZONATUS.

Mas. *Niger, subtus rufus; caput antice conicum, prothoracis lobo antico paullo longius; antennæ capite et prothorace ad unum multo longiores; prothoracis lobus posticus et scutellum rufa; abdomen apice subtus piceum; pedes nigri, tibiae tarsisque piceis.*

Male. Black, smooth, shining, fusiform, red beneath. Head conical in front, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ much longer than the head and the prothorax together; first joint a little shorter than the ante-ocular part of the head; second foll thrice as long as the first; third shorter than the second; fourth shorter than the third. Fore lobe of the prothorax with distinct furrows, as long as the hind lobe, which is red. Scutellum red, compressed at the tip. Abdomen piceous beneath at the tip. Legs black; tibiae and tarsi piceous. Fore wings dull. Length of the body $4\frac{1}{2}$ lines.

a. Gilolo. Presented by W. W. Saunders, Esq.

Div. 2.

Thymbreus, *Stal, Ofv. K. V. Ak. Forh.* xvi. 185. *Hem. Afr.* iii. 112.

5. *PACHYNOMUS OCELLATUS*.

P.? *ocellatus*, *Sgnt. A. S. E. F. 4me Sér.* ii. 583, pl. 15, f. 4—*Thymbreus ocellatus*, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 254.

Moyabamba, Peru.

6. *PACHYNOMUS CROCINOPTERUS*.

Thymbreus crocinopterus, *Stal. Stett. Ent. Zeit.* xxiii. 457.

Mexico.

7. *PACHYNOMUS PYRRHOPTERUS*.

Opinus pyrrhopterus, *Stal, Rio Jan.* i. 72—*Thymbreus pyrrhopterus*, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 254.

Rio Janeiro.

Genus 5. PROSTEMMA.

Reduvius, *Fabr.*—*Nabis*, *Oliv. Latr.*—*Prostemma*, *De Lap. Hem.* 12. *Burm. Handb. Ent.* ii. 241. *Stein, Berl. Ent. Zeit.* i. 86—*Postemma*, *L.-Duf. A. S. E. F.* iii. 349—*Metastemma*, *Serv. Hist. Hem.* 326. *Fieb. Eur. Hem.* 157. *Stal, Hem. Afr.* iii. 39.

Europe and North Africa.

1. PROSTEMMA GUTTULA.

Reduvius guttula, *Fabr. Ent. Syst.* iv. 208; *Syst. Rhyn.* 281. *Panz. Faun. Germ.* 101, 21. *Brullé, Hist. Nat. Ins.* ix. 322—*Reduvius staphylinus*, *Tign. Hist. Nat. Ins.* iv. 309—*Nabis guttula*, *Oliv. Enc.* viii. 140. *Latr. Gen.* iii. 128. *Hahn, Wanz Ins.* ii. 28, pl. 41, f. 130—*Prostemma guttula*, *De Lap. Hem.* 12. *Burm. Handb. Ent.* ii. 241. *Curt. Brit. Ent.* xv. pl. 654. *Blanch. Hist. Nat. Ins.* iii. 106. *Stein, Berl. Ent. Zeit.* i. 86—*Postemma brachelytrum*, *L.-Duf. A. S. E. F.* iii. 350, pl. 5, f. 8—*Metastemma guttula*, *Serv. Hist. Hem.* 329. *Fieb. Eur. Hem.* 158. *Dougl. and Scott, Hem.* 546.

a. England.

b, c. Europe. Presented by W. W. Saunders, Esq.

d, e. Geneva. Presented by M. Percheron.

f, g. France. Presented by M. Serville.

h. Odessa. Presented by Dr. Dowler.

i—k. Tunis. From Mr. Fraser's collection.

2. PROSTEMMA LATERALIS.

Metastemma lateralis, *Fieb. Eur. Hem.* 158.

Hungary. Roumelia.

3. PROSTEMMA AENEICOLLIS.

Prostemma aeneicolle, Stein, *Berl. Ent. Zeit.* i. 88—*Metastemma aeneicolle*, Fieb. *Eur. Hem.* 158.

South Europe.

4. PROSTEMMA BICOLOR.

bicolor, Ramb. *Faun. And.* 172. Stein, *Berl. Ent. Zeit.* i. 92—*Metastemma bicolor*, Fieb. *Eur. Hem.* 158.

Spain. Portugal.

5. PROSTEMMA ALBIMACULA.

albimacula, Stein, *Berl. Ent. Zeit.* i. 93—*Metastemma albimacula*, Fieb. *Eur. Hem.* 158.

Portugal.

6. PROSTEMMA SANGUINEA.

Reduvius sanguineus, Rossi, *Faun. Etr. Sp.* 1365—*Prostemma lucidulum*, Illig. *Spin. Ess.* 96. Stein, *Berl. Ent. Zeit.* i. 90—*Metastemma staphylinus*, L.-Duf. *Serv. Hist. Hem.* 330—*Prostemma Buessii*, Mey, *H.-Sch. Wanz. Ins.* vi. 91, pl. 210, f. 661. Stein, *Berl. Ent. Zeit.* i. 95—*Metastemma sanguinea*, Fieb. *Eur. Hem.* 159.

Europe.

7. PROSTEMMA SERRIPES.

serripes, Costa, *Ann. Mus. Zool. Nap.* ii. 134, pl. 1, f. 6.

Italy.

8. PROSTEMMA ALBIMACULA.

Prostemma albimacula, Stein, *Berl. Ent. Zeit.* i. 93.

Portugal?

Div. 2.

Alloeorbynchus, Fieb. *Eur. Hem.* 43, 159. Stal, *Hem. Afr.* iii. 40.

9. PROSTEMMA FLAVIPES.

Pirates flavipes, Fieb. *Weit. Beist.* i. 101—*Prostemma collare*, Mink, *Stett. Ent. Zeit.* xx. 429—*Alloeorbynchus flavipes*, Fieb. *Eur. Hem.* 159.

Germany.

10. PROSTEMMA QUINQUEMACULATA.

Metastemma 5-maculatum, Lucas, *Expl. Sci. Alg. An. Art.* 53, pl. 1, f. 9—*Prostemma 5-maculatum*, Stein, *Berl. Ent. Zeit.* i. 95.

Algeria.

North America.

11. PROSTEMMA FUSCA.

Prostemma fuscum, *Stein, Berl. Ent. Zeit.* i. 90.
Pennsylvania.

Mexico.

12. PROSTEMMA TRIMACULA.

trimacula, *Stein, Berl. Ent. Zeit.* iv. 76.
Oaxaca.

South America.

A. Head not cylindrically elongated in front of the eyes.

a. Body black.

| | | | | | | | |
|---------------|---|---|---|---|---|---|-------------------|
| * Head black. | - | - | - | - | - | - | <i>nigricans.</i> |
|---------------|---|---|---|---|---|---|-------------------|

| | | | | | | | |
|---------------|---|---|---|---|---|---|-------------------|
| ** Head pale. | - | - | - | - | - | - | <i>luteiceps.</i> |
|---------------|---|---|---|---|---|---|-------------------|

| | | | | | | | |
|--|---|---|---|---|---|---|------------------|
| b. Body black. Fore border of the prothorax red. | - | - | - | - | - | - | <i>ruficeps.</i> |
|--|---|---|---|---|---|---|------------------|

| | | | | | | | |
|--------------------------|---|---|---|---|---|---|---------------------|
| c. Body brownish æneous. | - | - | - | - | - | - | <i>pallidiceps.</i> |
|--------------------------|---|---|---|---|---|---|---------------------|

| | | | | | | | |
|---|---|---|---|---|---|---|------------------|
| d. Body partly yellowish, partly brown. | - | - | - | - | - | - | <i>Moritzii.</i> |
|---|---|---|---|---|---|---|------------------|

B. Head cylindrically elongated in front of the eyes.

| | | | | | | | |
|---|---|---|---|---|---|---|---------------|
| a. Fore femora with a little spine beneath. | - | - | - | - | - | - | <i>vidua.</i> |
|---|---|---|---|---|---|---|---------------|

| | | | | | | | |
|-------------------------|---|---|---|---|---|---|---------------------|
| b. Fore femora unarmed. | - | - | - | - | - | - | <i>obscuriceps.</i> |
|-------------------------|---|---|---|---|---|---|---------------------|

13. PROSTEMMA MORITZII.

Moritzii, *Stein, Berl. Ent. Zeit.* iv. 77.

Isle St. John, South America.

Div. 1.

Pagasa, *Stal, Hem. Afr.* iii. 38.

14. PROSTEMMA PALLIDICEPS.

pallidiceps, *Stal, Rio Jan. Hem.* 69—*Pagasa pallidiceps*, *Stal.*
Rio Janeiro.

Div. 2.

Phorticus, *Stal, Rio Jan. Hem.* 69.

15. PROSTEMMA VIDUA.

Phorticus viduus, *Stal, Rio Jan. Hem.* 69.

Rio Janeiro.

16. PROSTEMMA OBSCURICEPS.

Phorticus obscuriceps, *Stal, Rio Jan. Hem.* 69.

Rio Janeiro.

17. PROSTEMMA NIGRICANS.

Fam. Nigra, longi-subfusiformis; caput longi-conicum, prothoracis lobo antico paullo longius; oculi valde prominuli; antennæ gracillima; pedes fulvi, femora antica crassa; alæ anticae piceæ.

Female Black, elongate-subfusiform. Head elongate-conical, a little longer than the fore lobe of the prothorax; ante-ocular part more than twice as long as the post-ocular, which is very short. Eyes very prominent. Antennæ very slender, much longer than the head and the prothorax together, first joint a little longer than the ante-ocular head; second about twice as long as the first; third as long as the second, fourth about twice as long as the third. Fore lobe of the prothorax a little more than twice as long as the hind lobe. Legs tawny, fore femora incrassated. Fore wings piceous. Length of the body $3\frac{1}{2}$ lines.

a. Amazon Region. From Mr. Bates' collection.

18. PROSTEMMA LUTEICEPS.

Fam. Viridescens-nigra; caput luteum, longi-conicum, prothoracis lobo antico paullo longius; antennæ piceæ, capite et prothorace ad unum longiores, articulo 1o luteo, prothoracis lobus anticus margine antico strigaeque lanceolata luteis; scutellum luteum, fusco bipunctatum; pedes lutei; corium lineis nonnullis luteisque exterioribus luteis.

Female Greenish black, smooth, shining, fusiform. Head luteous, elongate-conical, with a well-developed neck, a little longer than the fore lobe of the prothorax; ante-ocular part full twice as long as the post-ocular. Antennæ piceous, somewhat longer than the head and the prothorax together, first joint luteous, a little shorter than the ante-ocular part of the head, second more than twice as long as the first; third shorter than the second, fourth shorter than the third. Fore lobe of the prothorax a little less than twice as long as the hind lobe, luteous on the fore border and with a luteous lanceolate streak from thence to the disk. Scutellum luteous, with a brown point on each side of the disk. Legs luteous. Corium with some luteous lines and with some exterior minute luteous marks. Membrane blackish. Length of the body $3\frac{1}{2}$ lines.

a. South America. Presented by E. Doubleday, Esq.

b. Tapayos. From Mr. Bates' collection.

19. PROSTEMMA RUFIGEPS.

Fam. Nigra, nitens, setosa; caput prothoracis margo anticus, scutellum et ventris latera basi pedesque rufa; caput longi-conicum, prothoracis lobo antico aequilongum, articulo 1o rufo, femora antica subtus nigro strigata; membrana basi plagaque disculi rufis.

Female. Black, slender, smooth, shining, setose. Head, rostrum, fore border of the prothorax, scutellum, propectus, abdomen beneath at the tip and on each side of the base and legs red. Head elongate-conical, as

long as the fore lobe of the prothorax. Antennæ black, setose, longer than the head and the prothorax together; first joint red, a little less than half as long as the head; second more than twice as long as the first; third shorter than the second; fourth a little longer than the third. Fore lobe of the prothorax about twice as long as the hind lobe. Fore femora incrassated, with a black streak beneath; fore tibiae clavate. Membrane with a red discal patch, which is connected with the basal hue. Length of the body $3\frac{1}{2}$ lines.

a. Amazon Region. From Mr. Bates' collection.

South Africa.

20. PROSTEMMA PERPULCHRA.

Metastemma perpulchra, *Stål, Ofv. K. V. Ak. Forh.* xii. 38—*Metastemma perpulchrum*, *Stål, Hem. Afr.* iii. 40—*Prostemma perpulchrum*, *Stein, Berl. Ent. Zeit.* i. 96.

Caffraria.

21. PROSTEMMA PUEILIS.

Metastemma puerilis, *Stål, Ofv. Vet. Ak. Forh.* xii. 39—*Alloeorhynchus puerilis*, *Stål, Hem. Afr.* iii. 40—*Prostemma puerile*, *Stein, Berl. Ent. Zeit.* i. 96.

Natal.

Div.?

22. PROSTEMMA RUFICOLLIS.

Prostemma ruficollis, *Stein, Berl. Ent. Zeit.* i. 94.

Cape.

23. PROSTEMMA SEPTENGUTTATA.

Prostemma septemguttatum, *Stein, Berl. Ent. Zeit.* i. 89.

South Africa.

24. PROSTEMMA CONCINNA.

Fœm. *Nigra, pilosa; caput et prothorax aeneo-nigra; caput longi-conicum, prothoracis lobo antico aequilongum; antennæ capite et prothorace ad unum paullo breviores; abdomen basi subtus luteum; pedes lutei, femoribus nigricante unifasciatis; corium testaceo pallido trimaculatum; membrana apice pallide testaceo.*

Female. Black, smooth, shining, hairy, fusiform. Head and prothorax æneous-black. Head elongate-conical, as long as the fore lobe of the prothorax; ante-ocular part a little more than twice as long as the post-ocular. Antennæ setulose, a little shorter than the head and the prothorax together, first joint as long as the ante-ocular part of the head, second full twice as long as the first, third shorter than the second; fourth as long as the second. Fore lobe of the prothorax full twice as long as the hind lobe. Abdomen luteous towards the base beneath. Legs luteous,

feet; femora with a blackish band. Corium with three pale testaceous spots; first basal, costal; second transverse, in the disk; third apical. Membrane pale testaceous at the tip. Length of the body $3\frac{1}{2}$ lines.

The wholly black prothorax of this species and the wholly red prothorax of *P. longiceps* distinguish them from *P. perpulchra*.

Natal. From M. Gueinzus' collection.

25. PROSTEMMA LONGICEPS.

Male. *Rufa, longi-subfusiformis; caput subfusiforme, antice supra nigrum, prothoracis lobo antico paullo longius; antennæ, scutellum, pectoris utriusque discus, tibiæ tarsique nigra; abdominis dorsum fulvum, fascia basali nigra abbreviata; alæ anticæ nigricantes, vitta costali nigra abbreviata.*

Male. Red, shining, narrow, elongate-subfusiform. Head subfusiform, black above except the hind part, a little longer than the fore lobe of the prothorax; ante-ocular part shorter than the post-ocular. Antennæ black; first joint shorter than the ante-ocular bend; second full thrice as long as the first. Fore lobe of the prothorax a little longer than the hind lobe. Scutellum black, triangular. Disk of the pectus black. Abdomen above fulvous, with an abbreviated black band at the base; disk of the under side black. Tibiæ and tarsi black. Wings blackish; fore wings with an abbreviated black costal stripe. Length of the body 5 lines.

Natal. From Mr. Stevens' collection.

South Asia.

26. PROSTEMMA CARDUELIS.

Carduelis, Dohrn, Stett. Ent. Zeit. xix. 229, pl. 1, f. 8.

Ceylon.

Var. ? Female. Black, smooth, shining, hairy, elongate-subfusiform. Head elongate-conical, a little shorter than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ rather longer than the head and the prothorax together; first joint about half as long as the second; third a little shorter than the second; fourth a little shorter than the third. Fore lobe of the prothorax twice as long as the hind lobe. Hind lobe, scutellum, mesopectus and metapectus red. Fore femora yellow at the tips. Mesofemora and metafemora yellow, with a broad black band. Fore wings red toward the base, with three white spots; first spot before the middle; second beyond the middle; third apical. Length of the body 5 lines.

Hindustan. From Mr. Wooley's collection.

27. PROSTEMMA PLACENS.

Fem. *Nigra, pilosa; caput longi-conicum, prothoracis lobo antico paullo brevius, antennæ pilosæ, capite et prothorace ad unum paullo longiores, prothoracis lobus posticus luteus; femora apice femoraque quatuor posterora basi lutea, tibiæ anticæ tarsique fulvæ; alæ anticæ albido trimaculatæ.*

Female. Black, hairy, smooth, shining, subfusiform. Head elongate-conical, a little shorter than the fore lobe of the prothorax; ante-ocular part full twice as long as the post-ocular. Antennæ biserte, a little longer than the head and the prothorax together; first joint less than half as long as the second; third shorter than the second. Fore lobe of the prothorax nearly twice as long as the hind lobe, which is luteous. Trochanters, femora at the tips and four posterior femora towards the base luteous. Tarsi and fore tibiae tawny, the latter clavate, with a short spongy furrow. Fore wings with two whitish costal spots, the one a little before the middle, the other beyond the middle. Membrane whitish at the tip. Length of the body 4 lines.

a. Hindostan. Presented by W. W. Saunders, Esq.

b. Hindostan. From Mr. Stevens' collection.

Eastern Isles.

28. PROSTEMMA VINULUS.

Alloeorhynchus vinulus, Stal, *A. S. E. F.* 4me Sér. iv. 69.

Java.

29. PROSTEMMA NIGRA.

Niger, subsetulosa; caput conicum, prothoracis lobo antico perparum brevius; antennæ piceæ, capite et prothorace ad unum multo longiores; prothorax planus; membrana nigricante cinerea.

Black, shining, subfusiform, thinly setulose. Head conical, very little shorter than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ piceous, much longer than the head and the prothorax together; first joint as long as the ante-ocular part of the head; second about thrice as long as the first; third a little shorter than the second; fourth as long as the third. Prothorax flat, fore lobe about twice as long as the hind lobe. Scutellum and corium dull. Membrane blackish cinereous. Length of the body $3\frac{1}{2}$ lines.

a. Dorey, New Guinea. Presented by W. W. Saunders, Esq.

b. Dorey, New Guinea. From Mr. Wallace's collection.

30. PROSTEMMA TARSALIS.

Nigra; caput conicum, prothoracis lobo antico vix brevius; antennæ piceæ, capite et prothorace ad unum paullo longiores; tarsi testacei; corium macula costali rufa longiuscula.

Black, smooth, shining, fusiform. Head conical, nearly as long as the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ piceous, a little longer than the head and the prothorax together; first joint as long as the ante-ocular part of the head; second about twice as long as the first; third somewhat shorter than the second, fourth as long as the third. Fore lobe of the prothorax twice as long as the hind lobe. Scutellum and fore wings dull. Tarsi testaceous. Corium with an elongated red costal spot in the middle. Length of the body $2\frac{1}{2}$ lines.

a. Dorey, New Guinea. Presented by W. W. Saunders, Esq.

Genus 6. STENOPIRATES.

Caput lanceolatum; collum valde determinatum. Antennæ filiformes.

This genus is distinguished from *Pirates* and *Prostemma* by the filiform antennæ, and by the long neck, which forms a distinct segment. In the first species the fore lobe of the prothorax is smooth as in *Prostemma*, in the second it is furrowed like that of *Pirates*.

1. STENOPIRATES COLLABIS.

Niger, pubescens, longi-subfusiformis, capite antico antennis pedibusque rufis; caput lanceolatum, prothoraci æquilongum, antennæ capite et prothorace ad unum paullo longiora; alæ antica basi et apud costam rufæ.

Black, pubescent, elongate-subfusiform. Head in front, neck, rostrum antennæ and legs red. Head lanceolate, as long as the prothorax; ante-ocular part as long as the neck. Antennæ a little longer than the head and the prothorax together; first joint shorter than the ante-ocular head; second about four times as long as the first; third a little more than half as long as the second; fourth a little shorter than the third. Prothorax convex; fore lobe a little longer than the hind lobe. Scutellum not compressed. Spongy furrow of the fore tibiæ not more than one-third of the length of the latter. Fore wings red at the base and along the costa. Length of the body $2\frac{1}{2}$ lines.

a. North Hindostan. From Mr. Warwick's collection.

2. STENOPIRATES ANTHOCOROIDES.

Piceus, longi-subfusiformis, caput lanceolatum, prothorace paullo longius; collum, rostrum, pedesque fulva; prothoracis lobus anticus postice sulcatus, femora tibiæque antica picea.

Piceous, elongate-subfusiform. Head lanceolate, a little longer than the prothorax; ante-ocular part a little longer than the post-ocular. Neck, rostrum and legs tawny. Antennæ filiform, as long as the head and the prothorax together; first joint as long as the ante-ocular head; second much longer than the first, third as long as the second; fourth a little longer than the third. Fore lobe of the prothorax a little longer than the hind lobe; hind part of the middle furrow very distinct. Scutellum triangular. Femora and fore tibiæ piceous, the latter incrassated and clavate; fore tarsi very short. Length of the body 2 lines.

a, b. Sierra Leone. From Mr. Foxcroft's collection.

Genus 7. NABIS.

Nabis, Latr. Gen. iii. 127. Burm. Handb. Ent. ii. Serv. Hist. Hem. 330. Fieb. Eur. Hem. 159. Stål, Hem. Afr. iii. 41—Reduviolus, Kirby, Faun. Bor. Amer. Ins. 279—Nabicula, Kirby, Faun. Bor. Amer. Ins. 281.

Europe.

- A. Fore wings marbled with brown.
 a. First joint of the antennæ as long as the head. - brevipennis.
 b. First joint of the antennæ not more than two-thirds of the length of the head. - subapterus.
 B. Fore wings not marbled with brown.
 a. Scutellum black.
 * Fore wings not longer than the abdomen.
 † Head quite black, or yellow and with a black stripe beneath. - brevis.
 †† Head ferruginous beneath. - ericetorum.
 ** Fore wings distinctly longer than the abdomen.
 † Thorax with whitish hairs. - flavomarginatus.
 ‡ Areolet of the hind wings without hooks. - alpinus.
 †† Areolet of the hind wings with hooks.
 § Fore wings brown. - pilosulus.
 §§ Fore wings whitish or grayish yellow.
 X Prothorax much widened in front. - longipennis.
 XX Prothorax not much widened in front. - serus.
 b. Scutellum pale.
 * Colour partly green. - viridulus.
 ** Colour wholly without green. - pallidus.

1. NABIS SUBAPTERUS.

Cimex subapterus, Deg. *Ins.* iii. 287, pl. 15, f. 10—*Nabis subaptera*, Olin. *Enc.* vii. 140—*Reduvius apterus*, Fabr. *Ent. Syst. Sup.* 546; *Syst. Rhyn.* 281. *Coq. Ill. Icon.* iii. 94, pl. 21, f. 8. Wolff, *Icon. Cim.* 207, pl. 20, f. 200—*Nabis apterus*, Latr. *Gen.* 111—*Aptus subapterus*, Hahn, *Wanz. Ins.* i. 35 (apterus) pl. 6, f. 24—*Nabis subapterus*, Ramb. *Faun. And.* ii. 170. Fieb. *Eur. Hem.* 160. Dougl. and Scott, *Hem.* 550—*Nabis subaptera*, Burm. *Handb. Ent.* ii. 242. Blanch. *Hist. Nat. Ins.* iii. 107. Serv. *Hist. Hem.* 331.

a—j. England. From Mr. Stephens' collection.

k—p. England.

2. NABIS BREVIPENNIS.

Nabis brevipennis, Hahn, *Wanz. Ins.* iii. 32, pl. 83, f. 253. Flor, *Rhyn. Lir.* i. 694. Fieb. *Eur. Hem.* 169. Dougl. and Scott, *Hem.* 549.

a. England. From Mr. Stephens' collection.

b, c. Switzerland. Presented by F. Walker, Esq.

d, e. Italy. Presented by F. Walker, Esq.

3. NABIS BREVIS.

brevis, Scholz, *Arb. Ver.* 1846. Fieb. *Eur. Hem.* 160—*punctatus*, Costa, *Atti, Inst. Sc. Nat. Napoli*, 1848, 250.

Europe.

4. NABIS ERICETORUM.

ericetorum, Scholz, *Arb. Ver.* 113. *Fieb. Eur. Hem.* 160—*dorsalis*?
L.-Duf. Rech. 62, pl. 5, f. 55. *Serv. Hist. Hem.* 332. *Flor, Rhyn.*
Liv. ii. 618. *Dougl. and Scott, Hem.* 552—*fuminervis*, *Dahlb. Vet.*
Akad. Handl. 1851, 224—*ferus*, Var., *Flor, Rhyn. Liv.* i. 700.

Europe.

5. NABIS FLAVOMARGINATUS.

flavomarginata, Scholz, *Arb. Ver.* 114—*flavomarginatus*, *Flor, Rhyn. Liv.*
i. 696. *Fieb. Eur. Hem.* 161. *Dougl. and Scott, Ent. M. Mag.* iv.
94—*dorsatus*, *Dahlb. K. V. Ak. Handl.* 227—*nervosus*, *Boh. K. V.*
Ak. Forh. 77—*Lhesgicus*, *Kol. Mel. Ent.* vi. 53—*limbatus*, *Dahlb.*
Vet. Akad. 1851, 224.

a. England. From Mr. Stephens' collection.

b-c. England.

6. NABIS ALPINUS.

alpina, *Mey. Dür. Fieb. Eur. Hem.* 161.

Switzerland.

7. NABIS PILOSULUS.

pilosulus, *Först. MS. Fieb. Eur. Hem.* 161—*flavomarginatus*, *Dougl. and*
Scott, Hem. 554.

i. England. From Mr. Stephens' collection.

l-o. England.

f. Europe. Presented by W. W. Saunders, Esq.

8. NABIS LONGIPENNIS.

longipennis, *Costa, Atti, Inst. Sci. Nat. Napoli*, 1848, 250. *Fieb. Eur.*
Hem. 161.

Germany.

9. NABIS FERUS.

Cimex ferus, *Linn. Syst. Nat.* 731; *Faun. Suec.* 962—*Miris ferus*, *Fabr.*
Syst. Rhyn. 255. *Fall. Cim. Suec.* 112—*Miris vagans*, *Fabr. Syst.*
Rhyn. 255. *Wolff, Icon. Cim.* 153, pl. 16, f. 153—*Nabis cinerea*,
Oliv. Enc. viii. 140—*Nabis vagans*, *Burm. Handb. Ent.* ii. 242.
Scholtz. Arb. Ver. 112. *Blanch. Hist. Nat. Ins.* iii. 107—*Nabis ferus*,
Hahn, Wanz. Ins. iii. 31, pl. 82, f. 252. *Serv. Hist. Hem.* 332. *Flor,*
Rhyn. Liv. i. 698. *Fieb. Eur. Hem.* 161. *Dougl. and Scott, Hem.*
555.

g. England. From Mr. Stephens' collection.

k-l. England.

m, n. Europe. Presented by W. W. Saunders, Esq.

o-r. Italy. Presented by F. Walker, Esq.

28. NABIS ARGENTINUS.

Argentinus, *Meyer, Dür. Mitth. Schw. Ent. Ges.* iii. 177.
Buenos Ayres.

29. NABIS ELONGATUS.

elongatus, *Meyer, Dür. Mitth. Schw. Ent. Ges.* iii. 178.
Buenos Ayres.

30. NABIS FAMINEI.

Faminei, *Stal, Eug. Resa*, 260.
Port Famine.

31. NABIS ELEGANS.

Fuscus, longi-subfusiformis, subtus piceus; caput subellipticum, prothoracis lobo antico latius; antennæ testaceæ, filiformes, articulis 3o 4oque apice 4oque basi nigris; pedes pallide flavi, femoribus quatuor posterioribus tibiisque apice nigris, femoribus anticis validis nigro unistrigatis.

Brown, elongate-subfusiform, piceous beneath. Head subelliptical, broader than the fore lobe of the prothorax, which is much narrower in front; fore lobe as long as the hind lobe. Antennæ testaceous, filiform, somewhat shorter than the body; first joint shorter than the head; second almost twice as long as the first; third and fourth blackish at the tips; third shorter than the second; fourth blackish at the base, very little shorter than the third. Fore lobe of the prothorax rather longer than the hind lobe. Legs slender, pale yellow; four posterior femora black towards the tips; fore femora stout, with a black streak above; tibiæ with black tips. Length of the body $3\frac{1}{2}$ lines.

α. Petropolis. Presented by J. Gray, Esq.

South Africa.

32. NABIS CAFFER.

Caffra, *Stal, Ofv. Vet. Ak. Forh.* xii. 39; *Hem. Afr.* iii. 41.
Caffraria.

33. NABIS CAPSIFORMIS.

capsiformis, *Germ. Silb. Rev. Ent.* v. 132.
Cape.

Div. 2.

Arbela, *Stal, Hem. Afr.* iii. 42.

34. NABIS ELEGANTULUS.

Arbela elegantula, *Stal, Hem. Afr.* iii. 42.
Bourbon.

Arabia.

35. NABIS SITIENS.

Sitiens, Walk. *Zoologist*, 1870, 2380.

Wady Ferran.

36. NABIS DISCIFER.

Discifer, Walk. *Zool.* 1870, 2380.

Dahleck Isle.

Eastern Isles.

37. NABIS NITIDULUS.

Nabis nitidula, Stal, *Eug. Resa, Hem.* 261—*Arbela nitidula*, Stal, *Hem. Afr.* iii. 43.

Manilla.

38. NABIS TAGALICUS.

tagalica, Stal, *Eug. Resa*, 261.

Manilla.

39. NABIS BICOLOR.

Ferrugineus, fere linearis, capite prothoracis lobo antico scutelloque nigris; caput brevi-conicum, prothoracis lobo antico æquilongum; antennæ pedesque testacea; femora antica robusta.

Ferruginous, nearly linear. Head, fore lobe of the prothorax and scutellum black. Head short-conical, as long as the fore lobe of the prothorax. Eyes rather prominent. Antennæ testaceous, longer than the head and the prothorax together; first joint longer than the ante-ocular head; second more than twice as long as the first. Fore lobe of the prothorax nearly twice as long as the hind lobe. Legs testaceous, slender; the femora stout. Length of the body 4 lines.

Celebes. Presented by W. W. Saunders, Esq.

Australia.

40. NABIS GENICULATUS.

geniculata, Erichs. *Arch. Naturg.* viii. 282.

Tasmania.

New Zealand.

41. NABIS MAORICUS.

Fem. Pallide testaceus; caput longi-conicum, prothoracis dimidio longius; alæ antica nigro quadripunctata, abdomen perpaullo superantes.

Female. Pale testaceous, lanceolate. Head elongate-conical, more than half as long as the prothorax. Eyes piceous. Antennæ more than half as long as the body; first joint shorter than the head; second longer than the head; third a little shorter than the second; fourth shorter than the third, a little longer than the first. Legs pale yellow. Fore wings very little longer than the abdomen, with four black points, of which one is costal. Hind wings white. Length of the body 3 lines.

This species closely resembles *N. ferus*; the scutellum is wholly pale and the fore wings are a little shorter.

a. New Zealand. Presented by W. W. Saunders, Esq.

Genus 8. CNEMODUS.

Cnemodus, H.-Sch. Wanz. Ins. ix. 184.

1. CNEMODUS BREVIPENNIS.

brevipennis, H.-Sch. Wanz. Ins. iv. 184, pl. 309, f. 948.

North America.

Fam. 2. REDUVIDÆ.

Reduviæ, Serv. Hist. Hem. 333—*Acanthaspida*, Stal, Hem. Afr. iii. 44, 119.

Genus 1. PLATYMERIS.

Platymenis, De Lap. Ess. Hem. 80. *Burm. Handb. Ent.* ii. 233. *Stal, Hem. Afr.* iii. 123—*Platymerus*, Blanch. Hist. Nat. Ins. iii. 104. *Serv. Hist. Hem.* 333.

Africa.

Div. 1.

1. PLATYMERIS BIGUTTATA.

——, *Stoll, Pan.* 42, pl. 9, f. 62—*Cimex biguttatus*, Linn. *Syst. Nat.* 2, 725—*Reduvius biguttatus*, Fabr. *Syst. Ent.* 731; *Sp. Ins.* ii. 381; *Mant. Ins.* n. 313; *Ent. Syst.* iv. 205; *Syst. Rhyn.* 266. *Wolff, Icon. Cim.* ii. 82, f. 79—*Platymerus biguttatus*, Blanch. *Hist. Nat. Ins. Hém.* 104, pl. 2, f. 3. *Serv. Hist. Hem.* 334—*Platymenis biguttata*, *Burm. Handb. Ent.* ii. 233. *Stal, Ofv. K. Vet. Ak. Fork.* xvi. 188; *Hem. Afr.* iii. 124.

a—c. Sierra Leone. Presented by the Rev. D. F. Morgan.

Var.? Spots on the corium luteous.

d. East Africa. Presented by Earl Russell.

2. PLATYMERIS GUTTATIPENNIS.

guttatipennis, *Stal, Hem. Afr.* 125.

e. Natal. From M. Gueinzus' collection.

3. *PLATYMERIS FUSCO-ORNATA*.

Reduvius fusco-irroratus, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 40—*Platymenis fusco-ornata*, *Stal, Hem. Afr.* iii. 123.

Natal.

4. *PLATYMERIS DUCALIS*.

Ducalis, *Westw. Trans. Ent. Soc. Lond.* iv. 120, pl. 7, f. 3. *Sgnt. et Frms. Arch. Ent.* ii. 311.

Cape Palmas. Gabon. Old Calabar.

a. Sierra Leone.

Div. 2.

Psyttala, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 187—*Platymenis*, Div. a. *Stal Hem. Afr.* iii. 123.

5. *PLATYMERIS HORRIDA*.

horrida, *Stal, Hem. Afr.* iii. 123.

Calabar.

6. *PLATYMERIS ROBBIANA*.

Platymerus Robbians, *Smith, Proc. Roy. Phys. Soc. Edinb.* 1865, 311, 312.

a. Old Calabar. Presented by Dr. J. A. Smith.

b. Dix Cove, West Africa. From Major Parry's collection.

7. *PLATYMERIS PRÆDO*.

prædo, *Stal, A. S. E. F. 4me Sér.* iii. 49.

a. Sierra Leone.

8. *PLATYMERIS? FULVILABRIS*.

fulvilabris, *Germ. Silb. Rev. Ent.* v. 129.

Cape.

9. *PLATYMERIS? PYRRHULA*.

pyrrhula, *Germ. Silb. Rev. Ent.* v. 129.

Cape.

10. *PLATYMERIS FULVONIGRA*.

Mas. Nigra, longi-ovata; caput prothoracis lobus anticus, scutellum, pectus, abdominis latera postica pedesque fulvi; caput prothoracis lobo antico longius; lobus anticus lobo postico convexior et multo brevior; scutellum triapicatum.

Male Black, elongate-oval. Head, rostrum, first joint of the antennæ, fore lobe of the prothorax, scutellum, pectus, abdomen at the tip

and along each side of the hinder half and legs tawny. Head elongate-conical, longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ longer than the head and the prothorax together; first joint as long as the ante-ocular head; second full four times as long as the first; third as long as the second. Fore lobe of the prothorax more convex and much shorter than the hind lobe; longitudinal furrows slight. Hind lobe with acute and prominent side angles. Scutellum with three ascending spines. Tips of the tarsi and knees piceous. Length of the body 12 lines.

Closely allied to *P. prædo*, of which the head and the fore lobe of the prothorax are black and the connexivum is wholly red.

a. East Africa. Presented by Earl Russell.

Genus 2. TETROXIA.

Tetroxia, *Serv. Hist. Hem.* 334. *Stal, Hem. Afr.* iii. 126.

1. TETROXIA SPINIFERA.

Reduvius spinifer, *Pal. Beauv. Ins.* 15. *Hém.* pl. 1, f. 4. *St. Farg. et Serv. Enc. Meth.* x. 274—*Tetroxia spinifera*, *Serv. Hist. Hem.* 126. *Stal, Hem. Afr.* iii. 126.

Benin.

2. TETROXIA BEAUVOISII.

Beauvoisii, *Frme. Arch. Ent.* ii. 311.

Gabon.

Genus 3. SPINIGER.

Spiniger, *Burm. Handb. Ent.* ii. 234. *Serv. Hist. Hem.* 334. *Stal, Stett. Ent. Zeit.* xx. 395.

Prof. Stal divides this genus as follows:—

- A. Ridge on the fore border of the prothorax not or slightly elevated. Second and third joints of the tarsi nearly equally long, or the second longer than the third.
 - a. Side angles of the prothorax attenuated into a spine, straight or acute, not rounded.
 - * Side angles of the prothorax attenuated into a spine or tooth, which is sometimes small.
 - † Fore lobe of the prothorax with conical spines or with tubercles of various size, all equally high, at least not higher in the middle than on the sides. Spine of the scutellum erect. Ante-ocular part of the head longer than the post-ocular part. Fore femora spinulose or granulated beneath, sometimes hardly perceptibly so. Spongy furrow of the fore tibiae long.

- † Fore lobe of the prothorax with four stout conical spines. Cheeks obtuse at the tips.
- § Fore lobe of the prothorax with four yellowish spines. Side angles of the hind lobe with a long spine. Spine of the scutellum erect, very long. Antennæ black. - - - - - *luteoguttatus.*
- §§ Fore lobe of the prothorax with four black spines. Side angles of the hind lobe with a short spine. Spine of the scutellum erect, rather short. First and second joints of the antennæ, or at least the first, yellowish. - - - - - *ater, opaciventris.*
- †† Fore lobe of the prothorax with four small tubercles, which are alike in colour, those in the middle sometimes obsolete. Cheeks elongated into a spine. Side angles of the hind lobe of the prothorax attenuated into a short yellowish spine. Spine of the scutellum short, stout, erect. - *nitidiventris, angularis.*
- ††† Fore lobe of the prothorax with two lobes of variable length in the disk before the middle, and very frequently with a spine or tubercle on each side.
- † Ante-ocular part of the head longer than the post-ocular part. Cheeks acutely elongated at the tips in front. Fore lobe of the prothorax with two slender long or rather long spines in the disk. Sides behind the middle with a distinct small tubercle. Side angles of the hind lobe with a long spine. Spine of the scutellum erect, very long. Spines of the prothorax yellowish, or at least so at the base. Fore femora unarmed. Spongy furrow of the fore tibiæ long, one-third or a little less than half as long as the tibiæ.
- § Spine of the scutellum at the base, spots of the head, of the thorax, of the pectus and of the under side of the abdomen black. - - - - - *festivus.*
- §§ Head, thorax, pectus and under side of the abdomen black, unspotted. Spine of the scutellum black, pitchy or yellowish pitchy at the tip. - - - *flavispinus.*
- †† Cheeks obtuse, rounded on the inner side in front.
- § Fore femora beneath unarmed or very minutely spinulose.
- × Spongy furrow half as long as the fore tibiæ. - *ocbripennis.*
- ×× Spongy furrow less than half as long as the fore tibiæ.
- o Fore wings various in colour; membrane black or brown, or brownish yellow; veins like the wings in colour.
- Head and rostrum brown or black, alike in colour.
- Spines of the prothorax and of the scutellum black or blackish piceous, alike in colour. Fore wings testaceous or with testaceous stripes.
- Antennæ black; second joint partly yellowish white or yellowish testaceous. Discal spines of the fore

lobe and those of the lateral angles of the hind lobe of the prothorax long; fore lobe with a somewhat conical tubercle on each side. Spine of the scutellum very long, somewhat inclined backward. Fore tibiae blackish, of one colour. -

truculentus,
sororius.

~~various~~ First and second joints of the antennæ, partly at least, and fore tibiae yellowish testaceous. Discal spines of the fore lobe and those of the side angles of the hind lobe of the prothorax and the spine of the scutellum moderately and almost equally long; fore lobe with a small somewhat acute tubercle on each side behind.

+ Spine of the scutellum much inclined backward. -
++ Spine of the scutellum very slightly inclined backward. - - - - -

femoralis.

fraternus.

+++ Spines of the prothorax different in colour.

∞ Prothorax and scutellum black or brown, with yellowish or whitish spines.

+ Antennæ black, second joint yellowish testaceous, except the base and the tip. Spines of the prothorax and of the scutellum yellowish testaceous, rather long; fore lobe with a conical tubercle or a short stout spine with a yellowish testaceous tip on each side; spine of the scutellum very long, almost erect.

⊙ Fore wings dingy testaceous, with brown veins. -

luteispinus.

⊙⊙ Fore wings testaceous, with like coloured veins. -

sordidipennis.

++ Antennæ, at least the first and second joints, and the spines of the fore thorax and of the scutellum yellowish white. Discal spines of the fore lobe of the prothorax and spine of the scutellum moderately or rather long, the latter inclined backward, fore lobe of the prothorax with a short stout spine on each side; side angles of the hind lobe attenuated into a spine. -

tibialis, albispinus.

~~various~~ Prothorax cinnamon-colour; the long spines in the disk of the fore lobe and those of the side angles of the hind lobe black; fore lobe on each side with an acute somewhat conical tubercle which is alike in colour. - - - - -

thoracicus.

→→ Head and first joint of the rostrum pale yellowish, the former black spotted. Discal spines of the fore lobe of the prothorax black, long, lateral spine yellowish, shorter; spine of the side angles of the hind lobe yellowish, moderately long. Spine of the scutellum rather long, inclined backward. - - - - -

limbatus, coxalis.

oo Fore wings brown or blackish brown; veins testaceous-yellow. Spines of the prothorax and of the scutellum long.

→ Fore lobe of the prothorax with no side tubercle. -

annuliger.

- + Fore lobe with a small tubercle on each side. - simulans.
 §§ Fore femora beneath with distinct and sometimes rather long spines; fore tibiae beneath very minutely denticulated.
 X Fore lobe of the prothorax with a little spine or acute tubercle on each side; spines of the prothorax and of the scutellum rather long. Spongy furrow of the fore tibiae hardly one-third of their length, that of the middle tibiae much shorter. eburneus, Serv., nigro-spinosus, obscuricornis, rufescens, tricolor.
 X X Fore lobe of the prothorax with no spine or tubercle on each side.
 o Spines of the prothorax short. Spine of the scutellum moderately long, slightly inclined backward. Spongy furrow at the fore tibiae hardly one-third of their length. - - - flavofasciatus.
 oo Spines of the prothorax long.
 → Spongy furrow of the fore tibiae more than one-third of their length. - - - pyrrhomelas.
 → Spongy furrow of the fore tibiae about one-sixth or hardly more than one-eighth of their length. - mundus, Amazonus.
 → Fore lobe of the prothorax with four small tubercles, those on each side sometimes almost obsolete. Side angles of the hind lobe rectangular or slightly acute, with no spine or tooth. Spine of the scutellum short, almost erect, or slightly inclined backward. Fore femora beneath very minutely spinulose. Spongy furrow of the fore tibiae rather long.
 † Scutellum black. - - - stillatipennis, affinis.
 †† Scutellum reddish. - - - scutellaris, tristillatus.
 b. Fore lobe of the prothorax with four small tubercles, the side pair very minute; side angles of the hind lobe unarmed, rounded. Scutellum attenuated into a slightly backward-reflexed spine. Fore femora spinulose beneath. - - - bicolor.
 B. Ridge elevated into two compressed slightly acute tubercles. Spongy furrow of the fore tibiae small. Legs rather short. Third joint of the hind tarsi almost longer than the first and second joints together.
 a. Head elongated. Ante-ocular part of the head and first joint of the rostrum almost equally long. Fore lobe of the prothorax acutely quadratuberculate; side angles of the hind lobe acute, somewhat prominent. Apical spine of the scutellum extended backward, hardly reflexed. Fore femora distinctly thickened. Spongy furrow of the fore tibiae oval, small. - - - rubropictus.
 b. Head oval, rather short. First joint of the rostrum a little longer than the ante-ocular part of the

head. Fore lobe of the prothorax with two minute tubercles in the disk; side angles of the hind lobe attenuated into an acute tooth. Apical spine of the scutellum somewhat reflexed. Fore femora slightly thickened. Spongy furrow of the fore tibiae oblong. - - - - -

Steinii.

In a previous article the same author distributes the species in twelve divisions, the characters of which are omitted, but the divisions and their constituent species are here enumerated:—

- Div. 1. ater, opaciventris.
- Div. 2. nitidiventris, angularis.
- Div. 3. luteoguttatus.
- Div. 4. bicolor.
- Div. 5. thoracicus, luteispinus, sordidipennis, sororius, femoralis, fraternus, limbatus, coxalis, annuliger, simulans.
- Div. 6. festinus, flavispinus.
- Div. 7. albispinus, mundus.
- Div. 8. eburneus, obscuricornis, rufescens.
- Div. 9. tricolor.
- Div. 10. flavofasciatus.
- Div. 11. stellatipennis, affinis, scutellaris.
- Div. 12. Sterni.
- Div. ? spinidorsis, miliosoma, lineatus.

Mexico and South America.

The following arrangement includes most of the species in this list:—

- A. Lateral spines of the prothorax short, not acute.
 - a. Prothorax partly yellow. - - - - - tricolor.
 - b. Colour wholly black.
 - * Spines of the prothorax black. - - - - - ater.
 - ** Spines of the prothorax with pale tips. - nitidiventris, angularis.
 - c. Fore wings white towards the base. - - - - - leucotelus.
 - d. Fore wings with a whitish subapical spot. - - - - - tristillatus.
 - e. Fore wings with two luteous spots. - - - - - luteoguttatus.
 - f. Fore wings with a yellow spot. - - - - - affinis, stellatipennis.
 - g. Fore wings with a luteous band. - - - - - flavofasciatus.
 - h. Fore wings cinnamon-colour. - - - - - opaciventris, femoralis.
 - i. Fore wings yellowish. - - - - - fraternus.
 - j. Fore wings reddish testaceous. - - - - - bicolor.
- B. Lateral spines of the prothorax prominent, acute.
 - a. Head and prothorax black.
 - * Fore wings white at the tips. - - - - - Alcides.
 - ** Fore wings not white at the tips.
 - † Prothorax not pale about the spines.
 - ‡ Fore wings wholly black. - - - - - sigillatus.
 - ‡‡ Fore wings black, with a red basal costal streak. - pyrrhoulas.

| | | | |
|-----|--|---|---------------------------------------|
| ††† | Fore wings black, with a subapical luteous spot. | - | bipustulatus. |
| ††† | Fore wings lurid. | - | spinidorsis, luteicornis. |
| †† | Prothorax pale about the spines. | - | maculifer, maculatus. |
| b. | Head and prothorax piceous. | | |
| * | Antennæ not ochraceous towards the base. | - | decoloratus. |
| ** | Antennæ ochraceous towards the base. | - | brunneus. |
| c. | Prothorax partly black. | - | cozalis, limbatus. |
| d. | Prothorax blackish brown. | - | festinus, flavispinus, sordidipennis. |
| e. | Prothorax pale. | | |
| * | Corium with a white spot. | - | nigrospinosus, eburneus. |
| ** | Corium with no white spot. | | |
| † | Prothorax with black stripes. | - | Amazonus. |
| †† | Prothorax with black spots. | | |
| † | Legs with black bands. | | |
| § | Fore lobe of the prothorax with short spines. | - | umbrifer. |
| §§ | Fore lobe of the prothorax with long spines. | - | pardalinus. |
| †† | Legs with no black bands. | - | pictus. |
| ††† | Prothorax with no black spots nor stripes. | | |
| † | Prothorax with brown or ferruginous stripes. | - | annuliger, simulans. |
| † | Prothorax with no stripes. | | |
| § | Prothorax brown. | | |
| X | Legs red. | - | basalis. |
| XX | Legs not red. | | |
| o | Spines whitish. | - | tibialis. |
| oo | Spines not whitish. | - | ochripennis, truculentus. |
| §§ | Prothorax brownish testaceous. | - | lutespinus. |
| §§§ | Prothorax red. | | |
| X | Membrane black. | - | rutilans. |
| XX | Membrane not black. | - | miniacus, obscuricornis. |
| C. | Fore lobe of the prothorax with no spines. | - | suborbes. |
| D. | Scutellum with no spine. | - | mundus. |
| E. | Prothorax with no spines. | - | Steinl. |

1. SPINIGER ATER.

Reduvius ater, St. Farg. et Serv. Enc. Meth. x. 274. Blanch. Hist. Nat. Ins. iii. 104—Spiniger ater, Burm. Handb. Ent. ii. 234. H.-Sch. Wanz Ins. viii. 66, pl. 270, f. 633. Serv. Hist. Hem. 335. Stal, Stett. Ent. Zeit. xx. 395.

- a. Brazil. From Mr. Vigors' collection.
b, c. Brazil. Presented by Major-Gen. Hardwicke.
d. Brazil.
e, f. Rio Janeiro. Presented by W. W. Saunders, Esq.
g. Monte Video. Presented by W. W. Saunders, Esq.
h, i. Tejuca. Presented by J. Gray, Esq.

2. SPINIGER OPACIVENTRIS.

opaciventris, Stal, Stett. Ent. Zeit. xx. 395.

Brazil.

3. SPINIGER NITIDIVENTRIS.

nitidiventris, *Stal, Stett. Ent. Zeit.* xx. 396.

Brazil.

4. SPINIGER ANGULARIS.

angularis, *Stal, Stett. Ent. Zeit.* xx. 396.

Brazil.

5. SPINIGER LUTEOGUTTATUS.

luteoguttatus, *Stal, Ofv. K. V. Ak. Forh.* xi. 237; *Stett. Ent. Zeit.* xx. 396; *Rio Jan. Hem.* 71.

a. Tejuca. Presented by J. Gray, Esq.

b. Brazil. From Mr. Walker's collection.

c. Brazil.

6. SPINIGER LIMBATUS.

Reduvius limbatus, *St. Farg. et Serv. Enc. Meth.* x. 275. *Blanch. Hist. Nat. Ins.* iii. 104—*Acrocoris circumcinctus*, *Hahn, Wanz. Ins.* iii. 23, pl. 80, f. 246—*Spiniger limbatus*, *Burm. Handb. Ent.* ii. 234. *Serv. Hist. Hem.* 335. *Mayr, Hem.* 153. *Stal, Stett. Ent. Zeit.* xx. 398.

Mexico.

The colour of the prothorax of this species is very variable; it is sometimes black with a luteous border, sometimes luteous with little black marks, and sometimes these marks are elongated into complete stripes; the band of the corium is sometimes wanting.

a, b. Brazil. Presented by Major-Gen. Hardwicke.

c. Brazil. Presented by W. W. Saunders, Esq.

d. Brazil. From Mr. Walker's collection.

e. Para. Presented by J. P. G. Smith, Esq.

f. Rio Janeiro. Presented by the Rev. H. Clark.

7. SPINIGER COXALIS.

coxalis, *Stal, Stett. Ent. Zeit.* xx. 398—*limbatus*, var.?

Brazil.

8. SPINIGER ANNULIGER.

annuliger, *Stal, Stett. Ent. Zeit.* xx. 399.

Brazil.

9. SPINIGER SIMULANS.

simulans, *Stal, Stett. Ent. Zeit.* xx. 399.

Bahia.

10. SPINIGER EBURNEUS.

Reduvius eburneus, *St. Farg. et Serv. Enc. Méth.* x. 275—*Spiniger eburneus*, *Burm. Handb. Ent.* ii. 234. *Serv. Hist. Hem.* 335, pl. 6, f. 7. *H.-Sch. Wanz. Ins.* viii. 65, pl. 270, f. 833. *Stal, Stett. Ent. Zeit.* xx. 401.

a—d. Brazil.

e. Brazil. Presented by the Entomological Club.

f, g. Rio Janeiro. Presented by the Rev H. Clark.

h—j. Brazil. Presented by W. W. Saunders, Esq.

11. SPINIGER OBSCURICORNIS.

obscuricornis, *Stal, Stett. Ent. Zeit.* xx. 401; *Rio Jan. Hem.* 71.
Brazil.

12. SPINIGER RUFESCENS.

rufescens, *Stal, Stett. Ent. Zeit.* xx. 401.
Brazil.

13. SPINIGER THORACICUS.

Reduvius thoracicus, *St. Farg. et Serv. Enc. Méth.* x. 275—*Spiniger thoracicus*, *Burm. Handb. Ent.* ii. 234. *Stal, Stett. Ent. Zeit.* xx. 401.
Brazil.

14. SPINIGER LUTEISPINUS.

luteispinus, *Stal, Stett. Ent. Zeit.* xx. 401.
Rio Janeiro.

15. SPINIGER SORDIDIPENNIS.

sordidipennis, *Stal, Stett. Ent. Zeit.* xx. 401.
Brazil.

16. SPINIGER SORORIVS.

sororius, *Stal, Stett. Ent. Zeit.* xx. 401.
Brazil.

17. SPINIGER FEMORALIS.

femoralis, *Stal, Stett. Ent. Zeit.* xx. 402; *Ofo. K. V. Ak. Forh.* xxi. 237;
Eug. Reza, 261.
La Plata. Buenos Ayres.

18. SPINIGER FRATERNUS.

fraternus, *Stal, Stett. Ent. Zeit.* xx. 402.
Buenos Ayres.

19. SPINIGER FESTIVUS.

festivus, *Stal, Stett. Ent. Zeit.* xx. 399.

Para.

20. SPINIGER FLAVISPINUS.

flavispinus, *Stal, Stett. Ent. Zeit.* xx. 400.

Brazil?

21. SPINIGER ALBISPINUS.

albispinus, *Erichs. Schomb. Reise Brit. Guiana*, iii. 613. *Stal, Stett. Ent. Zeit.* xx. 400.

British Guiana. Bahia.

22. SPINIGER MUNDUS.

mundus, *Stal, Stett. Ent. Zeit.* xx. 400.

Venezuela.

23. SPINIGER TRICOLOR.

Reduvius tricolor, *St. Farg. et Serv. Enc. Meth.* x. 275—*Spiniger flavovarius*, *H.-Sch. Wanz. Ins.* viii. 65, pl. f. 834—*Spiniger tricolor*, *Stal, Stett. Ent. Zeit.* xx. 401.

Rio Janeiro.

24. SPINIGER LINEATUS.

Reduvius lineatus, *St. Farg. et Serv. Enc. Meth.* x. 275—*Spiniger lineatus*, *Stal, Stett. Ent. Zeit.* xx. 403.

Cayenne.

25. SPINIGER TIBIALIS.

tibialis, *Stal, Rio Jan. Hem.* 70.

Rio Janeiro.

26. SPINIGER TRUCULENTUS.

truculentus, *Stal, Rio Jan. Hem.* 70.

Rio Janeiro.

27. SPINIGER NIGROSPINOSUS.

nigrospinosus, *Stal, Rio Jan. Hem.* 70.

Rio Janeiro.

28. SPINIGER ALCIDES.

Alcides, *Stal, A. S. E. F. 4me Sér.* iii. 56.

a. Amazon Region. From Mr. Bates' collection.

29. SPINIGER ANNULIFER.

annulifer, *Stal, Rio Jan. Hem.* 71.
Rio Janeiro.

30. SPINIGER TRISTILLATUS.

tristillatus, *Stal, Rio Jan. Hem.* 71.
Rio Janeiro.

31. SPINIGER FLAVOFASCIATUS.

flavofasciatus, *Stal, Rio Jan. Hem.* 71; *Stett. Ent. Zeit.* xx. 402.
Rio Janeiro. Bahia.
a, b. Brazil.

32. SPINIGER OCHRIPENNIS.

ochripennis, *Stal, Ofv. K. V. Ak. Forh.* xi. 237.
Brazil.

33. SPINIGER MILTOSOMA.

Reduvius miltosoma, *Blanch. Voy. D'O.b. Amin.* 218, pl. 29, f. 3—
Spiniger miltosoma, *Stal, Stett. Ent. Zeit.* xx. 403.
Bolivia.

34. SPINIGER? ARMATICOLLIS.

Arilus armaticollis, *Blanch. Faun. Chil.* 222—*Spiniger? armaticollis*,
Synt. A. S. B. F. 4me Sér. iii. 580.
Chili.

35. SPINIGER BICOLOR.

bicolor, *Stal, Stett. Ent. Zeit.* xx. 396.
Brazil.

36. SPINIGER STILLATIPENNIS.

stillatipennis, *Stal, Stett. Ent. Zeit.* xx. 402.
Brazil.

37. SPINIGER AFFINIS.

affinis, *Stal, Stett. Ent. Zeit.* xx. 402.
Brazil.

38. SPINIGER SCUTELLARIS.

scutellaris, *Stal, Stett. Ent. Zeit.* xx. 403.
Panama.

Male and female. Testaceous, elongate-subfusiform. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part piceous on each side, much longer than the post-ocular, of which the hind part is piceous. Antennæ black, longer than the head and the thorax together. First joint testaceous, as long as the ante-ocular head; second about thrice as long as the first; third much shorter than the second. Fore lobe of the prothorax bordered with black, much shorter than the hind lobe, with a tubercle on each side of the fore ridge, and with two nearly erect spines in the disk. Hind lobe black in the hind part except the border, with an obliquely ascending spine on each side and with four black stripes in front. Scutellum with a nearly erect spine. Abdomen beneath with brown patches along each side. Legs pale yellowish, femora in the middle part, hind tibiae and hind tarsi ferruginous. Fore wings brownish, with an oblique pale yellowish streak in the disk, membrane cinereous-brown along the veins, which are blackish. Length of the body 8—9 lines.

a, b. Amazon Region. From Mr. Bates' collection.

47. SPINIGRA LEUCOTELUS.

Form. Ater; caput prothoracis lobo antico multo longius; antennæ corpore breviores, prothoracis lobus anticus spinosus, lobo postico brevior; posticus maculis tribus ochraceis triangularibus, scutellum spina brevi valida erecta armatum; femora antica subtus livida, alæ anticae apice albæ.

Female. Deep black, elongate-fusiform. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular; transverse ridge forming tubercular spaces. Antennæ rather shorter than the body; first joint longer than the ante-ocular head; second more than twice as long as the first, third more than half as long as the second; fourth much shorter than the third. Fore lobe of the prothorax shorter than the hind lobe, with two short spines, of which two are on the disk. Hind lobe with three triangular ochraceous spots; side angles rectangular, not prominent. Scutellum with a short stout erect spine. Coxæ livid. Fore femora livid beneath. Fore tibiae furrowed beneath along one-third of the length from the tips. Fore wings white towards the tips. Length of the body $7\frac{1}{2}$ lines.

c. Amazon Region. Presented by W. W. Saunders, Esq.

48. SPINIGER SIGILLATUS.

Form. Ater, longi-fusiformis; caput prothoracis lobo antico longius; antennæ corpore breviores; prothoracis lobus anticus lobo postico paullo brevior, spinis duabus discalibus tuberculatis armatus; posticus ochraceo fasciatus, spinis duabus lateralibus longis oblique ascendentibus; scutelli spina longa, fere erecta.

Female. Deep black, elongate-fusiform. Head subfusiform, longer than the fore lobe of the prothorax; fore lobe much longer than the hind lobe. Antennæ somewhat shorter than the body; first joint longer than the ante-ocular head; second about four times as long as the first; third much shorter than the second; fourth shorter than the third. Fore lobe of the prothorax a little shorter than the hind lobe, with a tubercular spine on

each side of the disk. Hind lobe with a long obliquely ascending spine on each side and with an orange band on the fore border, this band dilated semicircularly hindward in the middle. Scutellum with a long nearly erect spine. Furrow of the fore tibiae not more than one-fourth as long as the latter. Length of the body $7\frac{1}{2}$ —8 lines.

a. Amazon Region. From Mr. Bates' collection.

b. St. Paulo. From Mr. Bates' collection.

49. SPINIGER LUTESCENS.

Mas. *Niger, fere linearis, spinis luteis armatus; caput prothoracis lobo antico multo longius; antennae luteae, corporis dimidio longiores, articulus 2o basi luteus nigris; prothoracis lobus anticus lobo postico brevior, spinis duabus discalibus erectis; posticus spinis duabus lateralibus oblique ascendentibus; scutellum spina erecta longissima basi nigra; alae anticae luridae.*

Mas. Black, nearly linear. Head subsfusiform, much longer than the fore lobe of the prothorax; ante-ocular part with prominent angular cheeks, somewhat longer than the hind lobe. Eyes very prominent. Antennae luteous, more than half as long as the body, first joint black, longer than the ante-ocular head; second black at the base, nearly thrice as long as the first, third shorter than the second. Spines of the thorax yellow. Fore lobe of the prothorax shorter than the hind lobe, with two erect moderately long spines in the disk. Hind lobe with a long, slightly ascending spine on each side. Scutellum with an erect very long spine, which is black towards the base. Furrow of the fore tibiae less than half as long as the latter. Fore wings lurid. Hind wings blackish, with an irregularly broad lurid streak along the middle part of the costa. Length of the body $10\frac{1}{2}$ —12 lines.

a, b. ———?

50. SPINIGER PICTUS.

Fem. *Ochraceus, fere linearis; caput prothoracis lobo antico permulto longius; collum nigro bimaculatum, antennae nigrae; prothoracis lobus anticus lobo postico multo brevior, spinis quatuor nigris armatus, posticus linea media, maculis quatuor spinisque duabus lateralibus oblique ascendentibus nigris; scutellum spina nigra oblique ascendente basi ochracea; venter nigro sexmaculatus; femora antica subtus bispinosa, corium nigro bimaculatum, membrana cinerea. Var β .—Antennarum articulus 2us luteus, apice niger; prothoracis lobus posticus nigro bimaculatus; connexivum nigro maculatum.*

Female. Ochraceous, nearly linear. Head subsfusiform, very much longer than the fore lobe of the prothorax; cheeks not prominent; ante-ocular part as long as the post-ocular, where there is a black spot on each side of the neck. Antennae black, longer than the head and the prothorax together; first joint longer than the ante-ocular head; second nearly twice as long as the first; third a little shorter than the second; fourth much shorter than the third. Fore lobe of the prothorax much shorter than the hind lobe, with two black erect spines in the disk, with a black spot on each side in front, and with an acute tubercle on each side of the ridge

to front. Hind lobe with a black middle line, and on each side with a black obliquely ascending spine and with two black spots. Scutellum with an obliquely ascending black spine, which is ochraceous at the base. Abdomen beneath with three black spots on each side near the base. Fore femora with two spines beneath. Furrow beneath the fore tibiae not more than one-fourth as long as the latter; corium with two black spots, one in the disk, the other apical. Hind wings and membrane of the fore wings cinereous. Var. β — Second joint of the antennae luteous, black at the tip. Hind lobe of the prothorax with a black spot on each side of the disk. Connexivum with black spots. Length of the body 10 lines.

♂. A. Brazil.

51. SPINIGER BASALIS.

Form. *Ferrugineus, longi-subfusiformis*; caput prothoracis lobo antico multo longius; antennae rufae, articulo 2o apice nigro; prothoracis lobus anticus lobo postico paullo brevior, spinis duabus discalibus erectis; posticus spinis duabus lateralibus oblique ascendens; scutellum spina erecta armatum; abdominis discus dorsalis nigricans; pedes rufi; alae anticae fuscae, testaceo venosae, apicae cinerae.

Female. Ferruginous, elongate-subfusiform. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennae red, longer than the head and the thorax together; first joint as long as the ante-ocular head; second black at the tip, about four times as long as the first. Fore lobe of the prothorax a little shorter than the hind lobe, with two erect spines in the disk and with a prominent tubercle on each side of the fore ridge. Hind lobe with an obliquely ascending spine on each side. Scutellum with an erect spine. Abdomen blackish in the disk above. Legs red; furrow of the fore tibiae very short. Fore wings brown; veins testaceous; apical part cinereous. Hind wings blackish, testaceous towards the base. Length of the body 8 lines.

♂. Brazil.

52. SPINIGER RUTILANS.

Coccineus, fere linearis; caput, clavus et membrana nigra; caput prothoracis lobo antico multo longius, collo coccineo; antenna nigra, articulo 2o 3oque basi flavis; prothoracis lobus anticus bispinosus, posticus dimidio aequilongus, angulis anticis acutis prominulis; lobus posticus bispinosus; scutellum spina erecta armatum; femora antica subtus bispinulosa.

Crimson, nearly linear. Head subfusiform, black except the neck, much longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennae black, more than half as long as the body; first joint longer than the ante-ocular head; second and third yellow at the base; second about twice as long as the first; third longer than the second, fourth shorter than the second. Fore lobe of the prothorax full half as long as the hind lobe, with acutely prominent fore angles and with two long ascending and diverging spines. Hind lobe with two long more diverging spines. Scutellum with a long erect spine. Fore

femora with two minute spines beneath. Furrow of the fore tibia short. Clavus and membrane black. Length of the body 9 lines.

a. Constancia. Presented by the Rev. H. Clark.

53. SPINIGER UMBRIFER.

Ma. *Albido-testaceus, fere linearis; caput prothoracis lobo antico multo longius, lateribus anticis piceis, antennæ nigrae, articulo 1o basi testaceo, 2o testaceo-fasciato; prothoracis lobus anticus quadri-spinosus, nigro octofasciatus; posticus ferrugineo quinque vittatus, spinis duobus lateralibus oblique ascenduntibus, scutelli spina longa, erecta; abdomen apice nigrum, femora fuscescente fasciata; corium fusco strigatum, membrana cinerea, nigricante venosa.*

Male. Whitish testaceous, nearly linear. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part piceous on each side, longer than the post-ocular. Antennæ black, longer than the head and the thorax together; first joint luteous towards the base, a little longer than the ante-ocular head; second nearly thrice as long as the first, with a testaceous band near the tip; third rather shorter than the second. Fore lobe of the prothorax with two nearly erect spines in the disk and with a diverging spine on each side; eight black stripes, of which the two inner pairs are very short; the third pair are interrupted and the fourth complete; fore ridge with a conical tubercle on each side. Hind lobe with five ferruginous stripes and with three longitudinal furrows; an obliquely ascending spine on each side. Scutellum with a long erect spine. Abdomen black towards the tip. Femora with irregular pale brown bands. Furrow of the fore tibia very short. Fore wings with a few diffuse brown streaks. Membrane cinereous, with blackish veins. Length of the body $7\frac{1}{2}$ —10 lines.

a. Amazon Region. From Mr. Bates' collection.

b. Para. From Mr. Wallace's collection.

c. St. Paulo. From Mr. Bates' collection.

54. SPINIGER MACULIFER.

Fœm. *Ater, longi-subfusiformis; caput prothoracis lobo antico multo longius, prothoracis lobus anticus luteo quadriplagiatus, lobo postico multo longior; venter fasciis interruptis strigisque lateribus longitudinalibus luteis; alæ antice lurido piceæ, litura basali costali strigisque interrupta subcostali luteis.*

Female. Deep black, elongate-subfusiform. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ longer than the head and the prothorax together; first joint as long as the ante-ocular head; second joint more than twice as long as the first, third a little shorter than the second. Fore lobe of the prothorax much shorter than the hind lobe, with two luteous patches on each side. Abdomen beneath with luteous interrupted bands, and on each side with short longitudinal luteous streaks. Furrow beneath the fore tibia somewhat less than half the length of the latter. Wings lurid piceous. Fore wings with a luteous costal mark at the base

and with an interrupted subcostal luteous streak. Hind wings blackish along the exterior border. Length of the body 12—13 lines.

a. Para. From Mr. Sterens' collection.

b, c. Ega. Presented by W. W. Saunders, Esq.

d, e. Ega. From Mr. Bates' collection.

55. SPINIGER BIPUNCTULATUS.

Mas. *Ater, fere linearis; caput prothoracis lobo antico duplo longius; prothoracis lobus anticus sulcatus, lobo postico multo brevior, spinis duabus discalibus erectis, angulis anticis acutis prominulis; lobi postici anguli spiniformes oblique ascendentes; scutellum rufum, spina ascendente armatum, venter luteus, carinatus, apice niger; corium macula apicali transversa lutea.*

Male. Deep black, dull, nearly linear, shining beneath. Head fusiform, about twice as long as the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. First joint of the antennæ a little longer than the ante-ocular head. Fore lobe of the prothorax furrowed, much shorter than the hind lobe, with prominent acute fore angles and with two erect spines on the disk. Hind angles of the hind lobe prolonged into obliquely ascending spines. Scutellum red, with an ascending spine. Abdomen beneath luteous, keeled, black at the tip. Legs slender; four anterior tibiae furrowed beneath at the tips. Corium with a transverse luteous spot near the tip. Length of the body $6\frac{1}{2}$ lines.

a. Columbia. From Mr. Turner's collection.

56. SPINIGER PULCHELLUS.

Mas et form. *Niger, fere linearis; caput prothoracis lobo antico multo longius, antice luteum; antennarum articulus 2us ochraceus, apice niger; prothoracis lobus anticus lobo postico brevior, tuberculis quatuor spinisque duabus erectis luteis; lobus posticus vittis tribus spinisque duabus oblique ascendentes luteis; scutelli spina lutea, longa, erecta; femora quatuor anteriora subtilius ferruginea; femora antica subtilius spinulosa; alæ antice vittâ costali fasciâque luteis.*

Male and female. Black, nearly linear. Head subfusiform, much longer than the fore lobe of the prothorax, luteous above between the eyes and in front; ante-ocular part much longer than the post-ocular. Antennæ somewhat shorter than the body; first joint a little longer than the ante-ocular head; second ochraceous, black at the tip, nearly thrice as long as the first; third much shorter than the second, fourth much shorter than the third. Fore lobe of the prothorax somewhat shorter than the hind lobe, with a large luteous tubercle on each side of the fore border, with two erect luteous spines in the disk and on each side with a little luteous tubercle, the latter in a transverse line with the spines. Hind lobe with three luteous stripes and on each side with a long obliquely ascending luteous spine. Scutellum with a long erect luteous spine. Pectus with two erect spines in the disk, not prominent on each side of the fore border. Hind lobe with a luteous band, which is slightly dilated on each side and is attenuated in the pectus; a long obliquely ascending spine on each side,

black towards the tip. Scutellum with a long erect spine. Abdomen testaceous beneath. Four anterior femora ferruginous beneath; fore femora with minute spines beneath; furrow beneath the fore tibiae not more than one-third as long as the latter. Fore wings with a luteous costal stripe, which extends from the base to the middle, and is there connected with a luteous band. Length of the body $7\frac{1}{2}$ lines.

a. St. Paulo. From Mr. Bates' collection.

b. Amazon Region. From Mr. Bates' collection.

57. SPINIGER PARDALINUS.

Mas. *Luteus, longi-subfusiformis; caput prothoracis lobo antico multo longius; antennarum articulus lvs fuscescente fasciatus, prothoracis lobus anticus lobo postico brevior, quadrispinosus, nigro bistrigatus; lobus posticus nigro octostrigatus, spinis duabus lateralibus nigris oblique ascendentibus; scutelli spina oblique ascendens; segmenta ventralia nigro fasciata; pedes rufi, nigro fasciati; ala antica nigra maculata.*

Male. Luteous, elongate-subfusiform. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part somewhat longer than the post-ocular. First joint of the antennæ with a brownish band, a little longer than the ante-ocular head. Fore lobe of the prothorax rather shorter than the hind lobe, with an acute tubercle on each side of the fore ridge, with two nearly erect spines in the disk and with an oblique very short spine on each side, a short black streak on the outer side of each middle spine. Hind lobe with three black marks on the fore border, with three on the hind border, and with two in the disk; lateral spines long, black, obliquely ascending. Scutellum with an oblique y ascending spine. Abdomen beneath with a black band on the fore border of each segment. Legs red; two bands on the femora, knees, and one band on the four anterior tibiae, black; furrow of the fore tibiae not more than one-fourth as long as the latter. Fore wings with some oblong black spots. Length of the body $9\frac{1}{2}$ lines.

a. Amazon Region. From Mr. Bates' collection.

58. SPINIGER DECOLORATUS.

Mas et fem. *Ferrugineus, longi-subfusiformis, spinis testaceis armatus; caput prothoracis lobo antico duplo longius; lobus anticus lobo postico permulto brevior, valde convexus, spinis duabus discalibus ascendentibus; lobus posticus spinis duabus lateralibus longis oblique ascendentibus; scutellum unispinosum; venter basi carinatus; tibiae fulvae; ala antica lurida. Var. β —Corpus, spinae et pedes piceae.*

Male and female. Ferruginous, elongate-subfusiform. Head subfusiform, about twice as long as the fore lobe of the prothorax; ante-ocular part somewhat longer than the post-ocular. First joint of the antennæ a little longer than the ante-ocular head. Fore lobe of the prothorax hardly more than half as long as the hind lobe, highly convex, with a prominent tubercle on each side of the fore ridge, and with two pale testaceous ascending and diverging spines in the disk. Hind lobe with a long oblique

pale testaceous spine on each side. Scutellum with an oblique pale testaceous spine. Abdomen keeled towards the base beneath. Tibiæ tawny; furrow beneath the fore tibiæ very short. Wings lurid. Hind wings broadly blackish-bordered. *Var. β.*—Body, spines and legs piceous. Length of the body 10—10½ lines.

a, b. ——— ?

59. SPINIGER NABOIDES.

Mas. Niger, fusiformis; caput prothoracis lobo antico paullo longius; antenna piceæ; prothoracis lobus anticus lobo postico multo longior; lobi postici anguli spiniformes, subascendentes; scutelli spina apicalis longa, oblique ascendens; connexivum testaceo maculatum, pedes fulvi, longi, graciles, femoribus anticis piceis robustis; alæ anticae fuscae, basi testaceo unistrigatae, apices versus cineræ.

Male. Black, fusiform, smooth, shining. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part shorter than the post-ocular. Antennæ piceous, longer than the head and the prothorax together, first joint longer than the ante-ocular head; second much longer than the first. Fore lobe of the prothorax much longer than the hind lobe, rounded and not prominent on each side in front. Hind lobe with the hind angles forming slightly ascending spines. Scutellum with a long obliquely ascending spine. Connexivum with testaceous spots. Legs tawny, long, slender; fore femora piceous, stout. Fore wings brown, mostly cinereous towards the tips, with a testaceous streak extending from the base along the cuneus. Length of the body 3½ lines.

a. Amazon Region. From Mr. Bates' collection.

Eastern Isles.

- | | | | | | |
|----|-------------------------------------|---|---|---|-----------------|
| a. | Scutellum with one spine. | - | - | - | hieroglyphicus. |
| b. | Fore wings with luteous veins. | - | - | - | limbifer. |
| c. | Fore wings with a luteous streak. | - | - | - | confusus. |
| d. | Fore wings with two yellow streaks. | - | - | - | |

60. SPINIGER HIEROGLYPHICUS.

Mas. Luteus, longi-subfusiformis, subtus niger; caput prothoracis lobo antico longius; antenna nigrae, corporis dimidio longiores; prothoracis lobus anticus nigro quinque strigatus, lobo postico paullo brevior; lobus posticus bispinosus, nigro maculatus; scutellum nigrum, unispinosum, pectus et connexivum nigro maculata; femora nigra, luteo unifasciata; tibiae quatuor anteriores piceo unifasciatae; alæ anticae luteo venosae.

Male. Luteous, elongate-subfusiform, black beneath. Head subfusiform, rather longer than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. Antennæ black, more than half as long as the body; first joint as long as the head, second much longer than the first; third rather longer than the second; fourth a little shorter than the second. Fore lobe of the prothorax a little shorter than the hind lobe, with five black streaks, of which the middle one is broad and dilated

in front, the inner pair are curved and the outer lanceolate. Hind lobe with some black spots, of which four are larger than the others, and the outer pair of these are half divided by a curved luteous line; an obliquely ascending spine on each hind angle. Scutellum black, with a long nearly erect black spine. Pectus and connexivum with black spots. Femora black, with a luteous band near the tip. Four anterior tibiae with a piceous band; furrow beneath short. Fore wings with numerous luteous veins. Length of the body $8\frac{1}{2}$ lines.

a. Sarawak. Presented by W. W. Saunders, Esq.

61. SPINIGER LIMBIFER.

Mas. Niger, longi-subfusiformis; caput antice testaceum, prothoracis lobo antico aequilongum; antennae corpore breviores, articulo 1o basi luteo; prothoracis lobus anticus lobo postico paullo brevior; lobus posticus luteo marginatus; scutellum piceum, spina lutea erecta apice nigra armatum; pectus luteo maculatum; venter luteus; pedes lutei, femoribus apice piceis, tibiis piceis pilosis, corium striga obliqua lutea, membrana fusciscente-cinerea, nigro venosa.

Male. Black, elongate-subfusiform. Head luteous in front, as long as the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Rostrum luteous, black on each side towards the base and towards the tip. Antennae rather shorter than the body; first joint luteous towards the base, rather more than half as long as the second; third very much longer than the second. Fore lobe of the prothorax a little shorter than the hind lobe, which is luteous-bordered and has a minute black tooth on each hind angle. Scutellum piceous, with a long luteous erect spine, which has a black tip. Pectus with some luteous spots. Abdomen luteous beneath. Legs luteous, femora piceous at the tips; tibiae hairy, mostly piceous; femora beneath the fore tibiae very short. Fore wings with an oblique luteous streak near the tip of the corium; membrane brownish cinereous, with black veins. Length of the body $5\frac{1}{2}$ lines.

a. Sarawak. Presented by W. W. Saunders, Esq.

b. ———? From the collection of the Zoological Society.

62. SPINIGER CONFICITUS.

Mas. Niger, gracilis, fere linearis, subtus flavus; caput antice flavo univittatum, prothoracis lobo antico aequilongum; antennae gracillimae, corpori aequilongae, articulo 1o basi flavo; prothorax flavo marginatus; lobus anticus lobo postico paullo brevior; scutelli spina longa, erecta, flava, apice nigricans, pectus flavo maculatum; venter argenteo-flavus, aneo uniplagiatus et transverse strigatus; pedes picei, femoribus quatuor anterioribus flavis basi apiceque piceis, femoribus posterioribus basi flavis, tibiis quatuor anterioribus apice flavis, tibiis posterioribus flavo unifasciatis; corium flavo bistrigatum; membrana cinerea nigro venosa.

Male. Black, slender, nearly linear, yellow beneath. Head sub-elliptical, as long as the fore lobe of the prothorax, with a broad yellow stripe in front of the eyes; ante-ocular part shorter than the post-ocular.

Eyes very prominent. Rostrum yellow; second joint black on each side; fourth black. Antennæ very slender, as long as the body; first joint as long as the head, yellow at the base; second longer than the first; third more than twice as long as the second; fourth shorter than the third. Fore lobe of the prothorax bordered with yellow on each side, a little shorter than the hind lobe, which is wholly bordered with yellow; hind angles black, slightly prominent. Scutellum with a long erect yellow spine, which is blackish towards the tip. Pectus with yellow spots. Abdomen yellow and with silvery reflections beneath, where there are transverse aeneous streaks on each side and a large aeneous patch at two-thirds of the length. Legs piceous, slender, clothed with fine hairs; four anterior femora yellow, piceous at the base and towards the tips on the outer side; hind femora yellow at the base; four anterior tibiæ yellow and furrowed beneath at the tips; hind tibiæ with a yellow band near the base. Corium with a little yellow costal streak at the base and with an oblique yellow streak near the exterior border. Membrane cinereous, hyaline, with black veins. Length of the body $5\frac{1}{2}$ lines.

Singapore. Presented by W. W. Saunders, Esq.

Genus 4. ACANTHASPIS.

Acanthaspis, *Serv. Hist. Hem.* 336. *Stål, Hem. Afr.* iii. 126.

Mexico and South America.

Div. 1.

Leogorrus, *Stål, Stett. Ent. Zeit.* xi. 404.

1. ACANTHASPIS OCHROPUS.

Ochropus, *Stål, Ofv. K. V. Ak. Fork.* xii. 188—*Reduvius ochropus*, *Stål, Rio Jan. Hem.* 71.

Minas Geraes.

2. ACANTHASPIS FORMICARIA.

Reduvius formicarius, *Fabr. Syst. Rhyn.* 280. *Stål, Rio Jan. Hem.* 71—*Platyeris formicaria*, *Burm. Handb. Ent.* ii. 233. *H.-Sch. Wanz. Ins.* viii. 33, pl. 260, f. 808—*Leogorrus formicarius*, *Stål, Hem. Fabr.* i. 125.

South America.

3. ACANTHASPIS LITURA.

Reduvius litura, *Fabr. Mant. Ins.* ii. 310; *Ent. Syst.* iv. 199; *Syst. Rhyn.* 272—*Platyeris myrmecodes*, *H.-Sch. Wanz. Ins.* xiii. 32, pl. 260, f. 807—*Leogorrus litura*, *Stål, Hem. Fabr.* i. 126.

Mexico. Cayenne. Brazil.

4. ACANTHASPIS VENATOR.

Leogoriscus venator, Stal, *Stett. Ent. Zeit.* xxiii. 456.

Mexico.

5. ACANTHASPIS INÆQUALIS.

Mas. Rufa, elliptica; caput prothoracis lobo antico sat longius; antennæ, pedes atque antice nigra; antennæ capite et prothorace ad unum multo longiores; prothoracis lobus anticus nigro bistrigatus; lobus posticus nigro unimaculatus, lobo antico valde longior, angulis acutis sat prominulis; scutellum apicem versus spiniforme, oblique ascendens; venter subcarinatus, nigro interrupte fasciatus; femora antica viz crassa, subtus basi rufescentia.

Male. Red, elliptical, shining beneath. Head fusiform, rather longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Eyes, rostrum except at the base, antennæ, legs and fore wings black. Antennæ much longer than the head and the prothorax together; first joint as long as the ante-ocular head; second about thrice as long as the first. Fore lobe hardly more than half as long as the hind lobe, with a tubercle on each side of the disk and with a black streak along each side; an acute and prominent black tubercle on each side of the fore border. Hind lobe with a large rhomboidal black spot which is excavated in front; hind angles acute, rather prominent. Scutellum ending in an obliquely ascending spine. Abdomen beneath slightly keeled and with slender black interrupted bands. Fore femora hardly thickened, reddish beneath towards the base. Length of the body $6\frac{1}{2}$ lines.

a. Brazil. From Mr. Vigors' collection.

Africa.

Synopsis of species by Prof. Stal.

A. Head distinctly bent downward before the eyes.

Antennæ seated near the eyes.

- a. Head seen sideways higher in front of the eyes than behind them; middle part between the antennæ compressed, raised; ocelliferous part not or hardly raised. *Plynus*, Stal, *Ofs. K. Vet. Ak. Forh.* xv. 444. - - - - -

maculicollis.

- b. Head not higher before than behind the eyes, very slightly raised lengthwise between the antennæ; ocelliferous part raised.

* Legs of one colour.

† Legs yellowish or testaceous. - - -

bilineolata, sulcipes, petax.

†† Legs blackish or brownish testaceous.

bisbispinata, nugax, vidua,

obscura, 4-signata.

* Legs ringed or spotted. - - -

lugubris, rapida.

B. Head porrect in front of the eyes, somewhat bent towards the tip. Antennæ most often distinctly remote from the eyes. Antenniferous tubercles more or less elongated. *Mardania*, Stal, *Ofs. K. Vet. Ak. Forh.* xvi. 189.

- a. Prothorax with a distinct longitudinal impression extending over the hind part of the fore lobe and a large part of the hind lobe. - - - geniculata.
 b. Prothorax with no longitudinal impression or with a nearly obsolete one. bicolorata, rubricosa, ochracea, lythroides, ornata, sanguinosa, aliena.

6. ACANTHASPIS MACULICOLLIS.

Plynus maculicollis, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 444—*Acanthaspis maculicollis*, *Stal, Hem. Afr.* iii. 127.

Calabar.

7. ACANTHASPIS BILINEOLATA.

Reduvius bilineolatus, *Pal. Beauv. Ins.* 14. *Hém.* pl. 1, f. 5—*Acanthaspis bilineolata*, *Stal, Hem. Afr.* iii. 127.

Calabar.

8. ACANTHASPIS SULCIPES.

sulcipes, *Sgnt. Arch. Ent.* ii. 313. *Stal, Hem. Afr.* iii. 128—*dilutipes*, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 443.

Calabar.

a—c. Sierra Leone. Presented by the Rev. D. F. Morgan.

9. ACANTHASPIS PETAX.

petax, *Stal, Hem. Afr.* iii. 128.

Guinea.

10. ACANTHASPIS BISBISIGNATA.

bisbisignata, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 189. *Hem. Afr.* iii. 129.
 Natal.

11. ACANTHASPIS NUGAX.

nugax, *Stal, Hem. Afr.* iii. 129.

Zanzibar.

12. ACANTHASPIS VIDUA.

vidua, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 188; *Hem. Afr.* iii. 129.

Guinea.

13. ACANTHASPIS OBSCURA.

obscura, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 39; *Hem. Afr.* iii. 130.

Natal.

14. ACANTHASPIS QUADRISIGNATA.

quadrisingnata, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 39; *Hem. Afr.* iii. 130.

Caffraria.

15. ACANTHASPIS LUGUBRIS.

lugubris, *Stal, Hem. Afr.* iii. 131.

Guinea.

16. ACANTHASPIS RAPIDA.

rapida, *Stal, Hem. Afr.* iii. 131.

Senegal.

17. ACANTHASPIS GENICULATA.

geniculata, *Sgnt. Arch. Ent.* ii. 312. *Stal, Hem. Afr.* iii. 131.

Calabar.

18. ACANTHASPIS BICOLORATA.

bicolorata, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 39; *Hem. Afr.* iii. 132.
Natal.

19. ACANTHASPIS RUBRICOSA.

rubricosa, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 39; *Hem. Afr.* iii. 132.
Natal.

20. ACANTHASPIS OCHRACEA.

ochracea, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 39; *Hem. Afr.* iii. 133.
Natal.

21. ACANTHASPIS LYTHRODES.

Platymenis Lythroides, *Germ. Silb. Rev. Ent.* v. 130—*Acanthaspis Lythroides*,
Stal, Hem. Afr. iii. 133.

Cape.

22. ACANTHASPIS ORNATA.

Reduvius ornatus, *Thunb. Hem. Rostr. Cap.* iv. 4—*Acanthaspis ornata*
Stal, Ofv. K. Vet. Ak. Forh. xii. 187; *Hem. Afr.* iii. 134.

Cape.

23. ACANTHASPIS SANGUINOSA.

sanguinosa, *Stal, Hem. Afr.* iii. 134.

Cape.

24. ACANTHASPIS FLAVEOLA.

flaveolus, *Frme. Arch. Ent.* ii. 312, pl. 9, f. 9.

Gabon.

25. ACANTHASPIS LURCO.

lurco, *Stal, A. S. E. F. 4me Sér.* iii. 51.

Natal.

26. ACANTHASPIS ALIENA.

Mas. *Nigra, longi-subfusiformis; caput prothoracis lobo antico multo longius, prothoracis lobus anticus lobo postico multo brevior, margine maculaque anticis flavis; lobus posticus maculis quatuor anticis longis lineaque postica transversa flavis, scutelli spina lutea; abdomen luteum; connexivum nigro maculatum; venter nigro bivitatus; pedes luteo varii.*

Male. Black, elongate-subfusiform. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part with a luteous stripe, longer than the post-ocular. Rostrum luteous along each side. First joint of the antennæ a little longer than the ante-ocular head; second more than twice as long as the first. Fore lobe of the prothorax much shorter than the hind lobe, with a luteous spot adjoining the transverse ridge in front, which is also luteous. Hind lobe with four elongated luteous spots in front and with a luteous line on the hind border; hind angles much rounded, not prominent. Scutellum with a luteous obliquely ascending spine. Abdomen luteous; under side with two broad dentate black stripes; connexivum with black spots. Four anterior femora luteous at the tips; four anterior tibiæ luteous beneath, their furrow not more than one-third of their length; hind tibiæ luteous at the base. Corium with a luteous basal spot and a luteous oblique subapical streak. Length of the body 6 lines.

Closely allied to *A. lythrodes* and to *A. ornata*; distinguished from both by the less prominent and more rounded hind angles of the prothorax.

a. Natal. From M. Guérin's collection.

Div. 2.

Lisarda, Stal, Ofv. K. V. Ak. Forh. xvi. 192; Hem. Afr. iii. 147.

27. ACANTHASPIS CÆNOSA.

Acanthaspis cænosa, Stal, Ofv. K. V. Ak. Forh. 1855, 89—Lisarda cænosa, Stal, Hem. Afr. iii. 148.

Natal.

28. ACANTHASPIS CRUELIS.

Acanthaspis crudelis, Stal, Ofv. K. V. Ak. Forh. 1855, 188—Lisarda crudelis, Stal, Hem. Afr. iii. 148.

Sierra Leone.

South Asia and Eastern Isles.

A. picius is included in the following synopsis; it is probably Asiatic.

| | | | |
|---|---|---|---------------------|
| A. Prothorax black, with luteous spots. | | | |
| a. Membrane with pale veins. | - | - | 6-guttata. |
| b. Veins not pale. | | | |
| * Membrane with a whitish apical spot. | - | - | tergemina. |
| ** Membrane with a whitish subapical dot. | - | - | micrographa. |
| *** Membrane with no spot nor dot. | - | - | cinctoria. |
| B. Prothorax black, with luteous spines. | - | - | helluo. |

| | | | | | |
|---|---|---|---|---|---------------|
| C. Prothorax pale, with black spots. | | | | | |
| a. | Prothorax luteous. | - | - | - | signifera. |
| b. | Prothorax red. | - | - | - | gulo. |
| D. Prothorax black; hind lobe paler. | | | | | |
| a. | Hind lobe of prothorax with acute angles. | - | - | - | concinna. |
| b. | Hind lobe of prothorax with rounded angles. | - | - | - | tenebrosa. |
| E. Prothorax wholly black or piceous. | | | | | |
| a. | Hind lobe of prothorax scabrous. | - | - | - | |
| * | Tibiae black or piceous. | - | - | - | |
| † | Hind lobe of prothorax with very acute angles. | - | - | - | rugulosa. |
| †† | Hind lobe of prothorax with very obtuse angles. | - | - | - | picina. |
| ** | Tibiae luteous. | - | - | - | |
| † | Abdomen with marginal spots. | - | - | - | fulvipes. |
| †† | Abdomen with a dark border. | - | - | - | bistillata. |
| ††† | Abdomen with a luteous border. | - | - | - | biguttula. |
| b. | Hind lobe of prothorax not scabrous. | - | - | - | |
| * | Femora red towards the tips. | - | - | - | pictipes. |
| ** | Femora not red towards the tips. | - | - | - | |
| † | Legs black. | - | - | - | quadrinotata. |
| †† | Legs luteous, with piceous bands. | - | - | - | inornata. |
| ††† | Legs wholly luteous. | - | - | - | luteipes. |
| F. Prothorax piceous; hind lobe with two luteous spots. | | | | | |
| a. | Legs banded. | - | - | - | dubia. |
| b. | Legs not banded. | - | - | - | megaspila. |
| G. Prothorax brownish, with black marks. | | | | | |
| H. Wingless? | | | | | |
| | | - | - | - | pedestris. |

29. ACANTHASPIS QUINQUESPINOSA.

Reduvius quinquespinosus, *Fabr. Ent. Syst.* iv. 206. *Wolff, Icon. Cim.* i. 39, pl. 4, f. 39—*Zelus quinquespinosus*, *Fabr. Syst. Rhyn.* 286—*Acanthaspis flavipes*, *Stal, Ofv. K. V. Ak. Forh.* xii. 187—*Acanthaspis quinquespinosa*, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 241.

- a. Bombay. Presented by Sir W. Elliot.
b—e. Hindostan. From the collection of the Entomological Society.
f. Hindostan. Presented by J. S. Wooley, Esq.
g. Ceylon. Presented by Dr. Templeton.
h. Hindostan. From Mr. Warwick's collection.
i. North Hindostan. From Capt. Boyes' collection.

30. ACANTHASPIS ANGULARIS.

angularis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 186.

Ceylon.

31. ACANTHASPIS CINCTICRUS.

cincticrus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 186.

- a. North Hindostan. From Capt. Boyes' collection.

32. ACANTHASPIS HELLUO.

helluo, *Stal, A. S. E. F. 4me Sér.* iii. 60.

- a. Silhet. Presented by J. C. Bowring, Esq.
- b. Ceylon. From Dr. Gardner's collection.
- c. Ceylon. Presented by Dr. Templeton.
- d. Ceylon. From Mr. Thwaites' collection.

33. ACANTHASPIS PEDESTRIS.

pedestris, *Stal, A. S. E. F. 4me Sér.* iii. 51.

- c. Madras. From the Zoological Society's collection.

34. ACANTHASPIS CONOINKULA.

conoinkula, *Stal, A. S. E. F. 4me Sér.* iii. 51.

Deccan.

35. ACANTHASPIS BIGUTTULA.

biguttula, *Stal, A. S. E. F. 4me Sér.* iii. 52.

- a. Hindostan.

36. ACANTHASPIS BISTILLATA.

bistillata, *Stal, Ofv. K. V. Ak. Forh.* xv. 443.

Ceylon.

- a. Silhet. From the Rev. Mr. Stainforth's collection.

37. ACANTHASPIS FULVIPES.

Platymerus fulvipes, Dallas, *Trans. Ent. Soc. Lond., New Ser.* i. 6, pl. 2, f. 3—*Acanthaspis fulvipes*, *Stal, A. S. E. F. 4me Sér.* iii. 49.

- a. Silhet.

38. ACANTHASPIS RUGULOSA.

rugulosa, *Stal, A. S. E. F. 4me Sér.* iii. 49.

- a. North Bengal. From Lieut. Campbell's collection.
- b. Bombay. Presented by Sir W. Elliot.

39. ACANTHASPIS SIGNIFERA.

signifera, *Stal, A. S. E. F. 4me Sér.* iii. 60.

Malacca.

40. ACANTHASPIS GULO.

gulo, *Stal, A. S. E. F. 4me Sér.* iii. 50.

Malacca.

- a. Birmah. From Mrs. Waring's collection.
- b, c. Tenasserim. Presented by J. C. D. V. Packman, Esq.
- d. Siam. Presented by W. W. Saunders, Esq.

41. ACANTHASPIS BIMACULATA.

bimaculata, *Stal, Ofv. K. V. Ak. Forh.* xii. 187; xxiii. 241.

Java.

42. ACANTHASPIS TENEBROSA.

A. ? tenebrosa, *Stal, A. S. E. F. 4me Sér.* iii. 51—A. tenebrosa, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 243.

a. North China.

43. ACANTHASPIS TERGEMINA.

———, *Stoll, Pnn.* pl. 41, f. 298—*Platymenis tergemina, Klug. Burm. Handb. Ent.* ii. 233—*Reduvius tergeminus, Blanch. Hist. Nat. Ins.* iii. 104—*Acanthaspis tergemina, Stal, Ofv. K. V. Ak. Forh.* xxiii. 242.

a. Hindostan.

b. North Bengal. From Lieut. Campbell's collection.

c. Hindostan. From Mr. Warwick's collection.

d. Ceylon. Presented by Dr. Templeton.

e. North Hindostan. From Capt. Reid's collection.

f. Hindostan. From Mr. Vigors' collection.

44. ACANTHASPIS SEXGUTTATA.

Reduvius sexguttatus, Fabr. Syst. Ent. App. 832. *Sp. Ins.* ii. 380; *Ment. Ins.* ii. 312; *Ent. Syst.* iv. 202; *Syst. Rhyn.* 277—*Acanthaspis sexguttata, Serv. Hist. Hem.* 336. *Stal, Hem. Fabr.* i. 124—*Reduvius flavovarius, Hahn, Wanz. Ins.* ii. 18, f. 126.

Hindostan.

a. Singapore. Presented by W. W. Saunders, Esq.

b. Java. Presented by J. C. Bowring, Esq.

c, d. Java.

45. ACANTHASPIS FUSCONIGRA.

fusconigra, *Dohrn, Stett. Ent. Zeit.* xxi. 407.

Ceylon.

46. ACANTHASPIS ORNATA.

ornata, *Thunb. Stal, Ofv. K. V. Ak. Forh.* xii. 187.

Hindostan ?

47. ACANTHASPIS SIGNATICOLLIS.

signaticollis, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 242.

Manilla.

48. ACANTHASPIS UNIFASCIATA.

Reduvius unifasciatus, Wolff, Icon. Cim. iv. 164, pl. 16, f. 158—*Acanthaspis unifasciata, Stal, Ofv. K. V. Ak. Forh.* xxiii. 243.

Hindostan.

49. ACANTHASPIS QUADRINOTATA.

Fœm. *Nigra, fusiformis; caput prothoracis lobo antico multo longius; prothoracis lobus anticus strenue sulcatus, lobo postico brevior connexior; lobi postici latera unispinosa; scutellum apicem versus spiniforme oblique ascendens, corium luteo bimaculatum.*

Female. Black, fusiform. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part shorter than the post-ocular. Antennæ shorter than the body, first joint a little longer than the head; second much longer than the first; third shorter than the second; fourth shorter than the third. Fore lobe of the prothorax with strongly-marked furrows, shorter and more convex than the hind lobe, whose angles form stout spines. Scutellum ending in an obliquely ascending spine. Legs stout, furrow beneath the fore tibiæ less than half as long as the latter. Corium with a luteous spot at the base and with a longer luteous spot near the tip. Length of the body 11 lines.

a, b. Hindostan. Presented by J. C. Bowering, Esq.

c, d. Penang.

50. ACANTHASPIS LUTEIPES.

Fœm. *Piceus, longi-subfusiformis; caput prothoracis lobo antico paullo longius; prothoracis lobus anticus sulcatus, lobo postico æquilongus; scutellum apicem versus spiniforme arcuatum oblique ascendens; abdomen et pedes lutei; connexivum piceo maculatum; corium luteo uniplagiatum.*

Female. Piceous, elongate-subfusiform, punctured. Head subfusiform, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Rostrum, abdomen, legs and a large patch near the base of the corium luteous. First joint of the antennæ much longer than the ante-ocular head, second much longer than the first. Fore lobe of the prothorax as long as the hind lobe, furrows distinct. Hind lobe with rectangular rather prominent right angles. Scutellum ending in a curved obliquely ascending spine. Connexivum with piceous spots. Furrow beneath the fore tibiæ less than half as long as the latter; middle tibiæ with a shorter furrow. Length of the body 9 lines.

a. North Hindostan. Presented by W. W. Saunders, Esq.

51. ACANTHASPIS INORNATA.

Mes. *Piceus, longi-subfusiformis; caput antice unispinosum, prothoracis lobo antico paullo longius, antennæ fulvæ, capite et prothorace ad unum longiores; prothoracis lobus anticus lobo postico multo brevior; lobus posticus angulis acutis prominulis subretractis; scutelli spina apiculis lutea oblique ascendens; connexivum luteo maculatum; pedes lutei, piceo fasciati.*

Male. Piceous, punctured, elongate-subfusiform, narrower in front. Head subfusiform, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular, with a short obliquely ascending spine between the antennæ. Antennæ longer than the head and the thorax together; first joint much longer than the ante-ocular head; second a little

longer than the first; third nearly as long as the first. Fore lobe of the prothorax much shorter than the hind lobe; fore angles acute and prominent. Hind lobe with acute, prominent and slightly retracted hind angles. Scutellum ending in an obliquely ascending spine, which is luteous at the base. Connexivum with dull luteous spots. Legs luteous; femora and tibiæ with two piceous bands; furrow beneath the fore tibiæ less than one-third as long as the latter. Length of the body 7 lines.

α. Singapore. Presented by W. W. Saunders, Esq.

52. ACANTHASPIS PICTIPES.

Mas. *Piceus, subfusiformis*; caput prothoracis lobo antico æquilongum; antennæ corporis dimidio longiores; prothoracis lobus anticus valde sulcatus, lobo postico paullo brevior, lobus posticus transverse rugulosus, angulis acutis subretractis valde prominulis; scutellum apicem versus spiniforme, oblique ascendens; femora apice tibiæ tarsique rufa; alæ anticæ luteo unimaculatæ.

Male. Piceous, subfusiform, dull, shining beneath. Head subfusiform, as long as the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. First joint of the rostrum much longer than the second. Antennæ more than half as long as the body; first joint nearly as long as the head; second much longer than the first; third much longer than the second. Fore lobe of the prothorax deeply sculptured, a little shorter than the hind lobe, which is transversely and finely rugulose, and has acute very prominent and slightly retracted hind angles and a tubercle on each side of the hind border. Scutellum ending in an obliquely ascending spine. Femora at the tips, tibiæ and tarsi red; furrow beneath the fore tibiæ less than half as long as the latter. Fore wings with a large round luteous spot near the base. Length of the body 10 lines.

α. Ceylon.

53. ACANTHASPIS MEGASPILUS.

Fem. *Piceus, longi-subfusiformis*; caput prothoracis lobo antico paullo longius; prothoracis lobus anticus sulcatus, lobo postico vix brevior; scutellum apicem versus spiniforme, oblique ascendens; pedes fulvi, pilosi, coxis femoribusque piceis; corium luteum, basi apiceque piceum.

Female. Piceous, elongate-subfusiform, punctured. Head subfusiform, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. First joint of the antennæ rather longer than the ante-ocular head; second much longer than the first. Fore lobe of the prothorax hardly shorter than the hind lobe; furrows well defined. Hind angles of the hind lobe rectangular, not prominent. Scutellum ending in an obliquely ascending spine. Legs tawny, hairy; coxæ and femora piceous; furrow beneath the fore tibiæ less than half as long as the latter, middle tibiæ with a shorter furrow. Corium luteous, except at the base and at the tip. Length of the body 9 lines.

α. Hindostan. From Col. Whitehill's collection.

54. ACANTHASPIS DUBIUS.

Mas. Piceus, fusiformis; caput conicum, prothoracis lobo antico *vix* longius; antennæ fulvæ; prothoracis lobus posticus luteo biplagiatus, angulis posticis acutis, scutellum apicem versus spiniforme, subascendens; venter ferrugineus; connexivum luteo maculatum; pedes fulvi; corium luteo unimaculatum.

Male. Piceous, fusiform, dull. Head conical, hardly longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ lawny, more than half as long as the body; first joint a little longer than the head; second nearly twice as long as the first. Fore lobe of the prothorax nearly as long as the hind lobe; furrows distinct. Hind lobe with a large luteous patch and an acute angle on each side. Scutellum forming towards the tip an acute obliquely ascending spine. Abdomen ferruginous beneath; connexivum with luteous spots along each side. Legs lawny, rather stout; furrow beneath the fore tibiae less than one-fourth as long as the latter. Corium with a large luteous spot in the disk. Length of the body $7\frac{1}{2}$ lines.

a. Hindostan. From the Entomological Society's collection.

55. ACANTHASPIS MICROGRAPHIA.

Mas. Picea, longi-subfusiformis; caput prothoracis lobo antico longius; antennæ corporis dimidio longiores; prothoracis lobus anticus sulcatus, lobo postico paullo brevior; lobus posticus luteo bimaculatus; scutellum apicem versus spiniforme, subascendens; connexivum luteo maculatum; tibiæ luteo bifasciatae; alæ anticae nigrae, maculis duabus, 1a lutea, 2a alba.

Male. Piceous, elongate-subfusiform, finely punctured. Head subfusiform, somewhat longer than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. Antennæ more than half as long as the body; first joint much longer than the ante-ocular head; second very much longer than the first; third much longer than the second. Fore lobe of the prothorax a little shorter than the hind lobe; furrows well defined. Hind lobe with a luteous spot on each side of the disk; hind angles acutely rectangular, hardly prominent. Scutellum ending in a slightly ascending spine. Connexivum with luteous spots. Tibiæ with two luteous bands. Furrow beneath the fore tibiæ a little more than half as long as the latter. Fore wings black; corium with an elongated luteous spot in the disk; membrane with a round white spot in the disk. Length of the body $9\frac{1}{2}$ lines.

c. North Hindostan. From Capt. Reid's collection.

Div. 2.

Cheronea, *Stat.* A. S. E. F. 4me Sér. iii. 52.

56. ACANTHASPIS QUERULA.

Cheronea querula, *Stat.* A. S. E. F. 4me Sér. iii. 53.

a. Mysol. From Mr. Wallace's collection.

Div. 3.

Inara, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 190.

57. *ACANTHASPIS FLAVOPICTA*.

Inara flavopicta, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 190.
Pulo Penang.

58. *ACANTHASPIS ALBOGUTTATA*.

Inara alboguttata, *Stal*, *A. S. E. F. 4me Ser.* iii. 53.
a. Singapore. From Mr. Wallace's collection.

Div. 4.

Psophis, *Stal*, *A. S. E. F. 4me Sér.* iii. 53.

59. *ACANTHASPIS ERYTHRÆA*.

Psophis erythræa, *Stal*, *A. S. E. F. 4me Sér.* iii. 53.
a. North Hindostan. From Capt. Boyes' collection.

Div. 5.

Lisarda, *Stal*.

60. *ACANTHASPIS RHYPARA*.

Lisarda rhypara, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 192.
Pulo Penang.

61. *ACANTHASPIS SPURCA*.

Lisarda spurca, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 192.
Manilla.

62. *ACANTHASPIS JAVANA*.

Lisarda Javaaa, *Mayr*, *Verh. Zool. Bot. Ver. Wien.* xv. 437.
Java.

Australia.

63. *ACANTHASPIS SPINICOLLIS*.

Fœm. *Nigra, longi-fusiformis, subtus picea; caput prothoracis lobo antico permulto longius; prothoracis lobus anticus spinis sex luteis armatus, lobo postico multo longior; lobus posticus spinis duabus lateralibus luteis; scutellum spina lutea oblique ascendente; femora flava, apices versus nigra flavo unifasciata; tibiæ basi flavo unifasciatae; tibiæ posticæ flavæ.*

Female. Black, dull, elongate-fusiform, piceous and shining beneath. Head elongate-fusiform, very much longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennæ much

longer than the head and the prothorax together; first joint longer than the ante-ocular head: second more than thrice as long as the first, yellow at the base. Fore lobe of the prothorax with six luteous spines, very much shorter than the hind lobe, which has a long luteous spine on each hind angle. Scutellum with an obliquely ascending luteous spine. Legs long, slender; femora yellow, black and with a yellow band towards the tip; tibiae with a yellow band towards the base; hind tibiae yellow. Length of the body $9\frac{1}{2}$ lines.

a. Australia. Presented by the Entomological Club.

Div. 2.

Sphedanocoris, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 240.

64. ACANTHASPIE SABULOSA.

Acanthaspis sabulosa, *Stal*, *A. S. E. F. 4me Sér.* iii. 52—*Sphedanocoris sabulosa*, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 241.

a. Australia.

Div. 3.

65. ACANTHASPIE VARIANS.

Cerilocus? varians, *Stal*, *A. S. E. F. 4me Sér.* iii. 54.

a. Australia. Presented by the Earl of Derby in 1844.

Country unknown.

66. ACANTHASPIE PICINA.

picina, *Stal*, *A. S. E. F. 4me Sér.* iii. 49.

a, b. ———? From Mr. Vigors' collection.

Genus 5. REDUVIUS.

Reduvius, *Fabr. Syst. Rhyn. Burm. Handb. Ent.* ii. 234. *Serv. Hist. Hem.* 337. *Fieb. Hem. Eur.* 42.

Prof. Stal arranges the group of which *R. personatus* is the type as follows:—

A. Legs wholly brown. - 1. *personatus*, *Lin.* 2. *villosus*, *Fabr.*

B. Legs pale or with pale bands.

a. All the femora brown or blackish brown at the tips.

Furrow of the fore tibiae about one-third or more than a third as long as the latter.

* All the femora brown or tinged therewith in the middle. 3. *nigricans*, *Klug.* 4. *nigrofuscus*, *Stal.* 5. *tarsatus*, *Germ.* 6. *annulatus*, *Stal.*

** Femora neither brown nor tinged with brown in the middle, pale beyond the middle. Connexivum pale, with brown spots. - - - 7. *nebulosus*, *Klug.*

b. Legs pale; hind femora sometimes blackish at the tips.

- * Hind femora blackish towards the tips. Fore tibiae with a small furrow; middle tibiae with no furrow. 8. *tabidus*, Klug.
 ** Hind femora wholly pale. 9. *pallipes*, Klug. 10. *testaceus*, H.-Sch.
 11. *dorsalis*, Stal. 12. *obscuricollis*, Stal. 13. *fusceiceps*, Stal.

1. *REDUVIUS PERSONATUS*.

——, Stoll, Cim. pl. 5, f. 38. Geoffr. Ins. i. 436, pl. 9, f. 5. Frisch, Ins. 10, pl. 10. Sulz. Ins. pl. 11, f. 74. Schæff, Icon. pl. 13, f. 6, 7—*Cimex quisquilius*, Deg. Ins. iii. 281, pl. 15, f. 7. St. Farg. et Serv. Enc. Meth. x. pl. 124, f. 29—*Cimex personatus*, Linn. Syst. Nat. i. 2724; Faun. Suec. 942. Scop. Ent. Carn. 130—*Reduvius personatus*, Fabr. Ent. Syst. iv. 194; Syst. Rhyn. 267. Panz. Faun. Germ. 28, 22. Wolff, Icon. Cim. 79, pl. 8, f. 76. Tign. Hist. Nat. Ins. iv. 308, pl. 7, f. 3. Fall. Hem. Suec. 156. Curt. Brit. Ent. x. 453. L.-Duf. Rech. Hem. 61. Latr. Gen. iii. 129. De Lap. Hem. 8. Hahn, Wanz. Ins. ii. 17, pl. 39, f. 125. Burm. Handb. Ent. ii. 235. Brullé, Hist. Nat. Ins. ix. 319. Romb. Faun. And. ii. 176. Blanch. Hist. Nat. Ins. iii. 104. Serv. Hist. Hem. 337. Fieb. Eur. Hem. 155. Flor, Rhyn. Liv. i. 679. Dougl. and Scott, Hem. 544—*Opsicæus personatus*, Stal, Ofs. K. V. Ak. Forh. xvi. 191. Mayr. Hem. 151.

- a—c. England. From Mr. Stephens' collection.
 d—j. England.
 k—o. Europe. From Mr. Children's collection.
 p. Europe. Presented by W. W. Saunders, Esq.
 q, r. France. Presented by F. Walker, Esq.
 s. New York. Presented by Dr. Fitch.
 t. Indiana. Presented by F. Walker, Esq.
 u. Madeira. From Mr. Wollaston's collection.

The following specimens from Australia do not seem to differ from the European examples:—

- v, w. Tasmania. From Dr. Hooker's collection.
 x. Tasmania. From Mr. Smith's collection.
 y, z. Australia. Presented by Major Gen. Hardwicke.

Var. β. Pale brown. Abdomen testaceous. Hind wings pellucid.

- aa. Albania. Presented by W. W. Saunders, Esq.
 bb. Louvain. Presented by Lady Seymour.

2. *REDUVIUS TESTACEUS*.

Holotrichius testaceus, H.-Sch. Wanz. Ins. viii. 39, pl. 262, f. 812—*Reduvius testaceus*, Fieb. Eur. Hem. 156—*Reduvius thoracicus*, Stal, Ofs. K. V. Ak. Forh. xii. 188.

South Europe.

3. REDUVIUS TABIDUS.

R. (Opsicetus) tabidus, Klug, *Symb. Phys.* pl. 19, f. 4—*Reduvius pallidus*, Stal, *Ofv. K. V. Ak. Forh.* xii. 88.

South Russia. Alexandria.

Div. 2.

Holotrichius, Burm. *Handb. Ent.* ii. 247. *Serv. Hist. Hem.* 376. *Fieb. Eur. Hem.* 42, 156.

4. REDUVIUS MAURUS.

Reduvius maurus, Fabr. *Syst. Rhyn.* 280. *H.-Sch. Wanz. Ins.* vii. 14, pl. 221, f. 692—*Holotrichius* Cyrill, *Costa, A. S. E. F.* x. 283, pl. 6, f. 2—*Holotrichius maurus*, *Fieb. Eur. Hem.* 156, 387—*Holotrichius denudatus*, *Costa, A. S. E. F.* x. 24, pl. 6, f. 1. *Serv. Hist. Hem.* 377—*Fieb. Eur. Hem.* 156.

Italy. Greece. South Russia. North Africa.

5. REDUVIUS TENEBROSUS.

Holotrichius tenebrosus, Burm. *Handb. Ent.* ii. 248. *Fieb. Eur. Hem.* 156, 387—*Reduvius Laporteinus*, *Brullé, Exp. Mor.* 79, pl. 31, f. 5—*Holotrichius Laportei*, *Fieb. Eur. Hem.* 156.

Greece.

North America.

6. REDUVIUS PUNGENS.

pungens, *La Conte, Proc. Acad. Nat. Sci. Phil.* vii. 404—*personatus*, var.? Georgia.

Mexico.

The two following species belong to two sections of the genus, as is apparent by the comparative difference in length of the ante-ocular part of the head. *R. signifer* much resembles *R. personatus* in structure.

7. REDUVIUS GUTTATUS.

Fœm. Niger, longi-ovulis, pubescens; caput prothoracis lobo antico æquilongum, antennæ setulosæ, gracillimæ, capite et prothorace ad unum paullo longiores, prothorax scaber, lobis æquilongis; lobus posticus luteo biguttatus; connexivum luteo maculatum; pedes pilosi, senioribus anticis vix incrassatis; alæ anticæ luteo triguttatæ et unistrigatæ.

Female. Black, elongate-oval, pubescent, smooth and shining beneath. Head fusiform, as long as the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ setulose, very slender, a little longer than the head and the prothorax together; first joint a little shorter than the ante-ocular head; second about six times as long as the first; third about one-fourth as long as the second. Prothorax scabrous, with rounded and not prominent angles. Fore lobe as long as the hind lobe.

Hind lobe with two luteous dots on the fore border. Scutellum horizontal. Connexivum with luteous spots. Legs hairy; fore femora hardly incrassated; furrow beneath the four anterior tibiae not more than one-fourth as long as the latter. Corium with a luteous basal dot; clavus with a short luteous streak; membrane with two luteous dots on its junction with the corium. Length of the body $5\frac{1}{2}$ lines.

a, b. Oajaca. From M. Sallé's collection.

8. REDUVIUS SIGNIFER.

Mas. Niger, fusiformis; caput prothoracis lobo antico paullo longius; antennæ corpore breviores, articulo 1o fulvo; prothoracis lobus anticus valde sulcatus, lobo postico paullo brevior; scutellum apicem versus compressum; alæ anticae basi lutescente strigata, venis lutescentis marginatis.

Male. Black, fusiform, dull, smooth and shining beneath. Head elliptical, a little longer than the fore lobe of the prothorax; ante-ocular part shorter than the post-ocular. Antennæ much longer than the head and the prothorax together; first joint tawny, much longer than the ante-ocular head; second much longer than the first, third a little shorter than the second; fourth as long as the third. Fore lobe of the prothorax with deep furrows, a little shorter than the hind lobe; fore angles rectangular, not prominent. Hind lobe with a middle furrow; hind angles rounded, slightly prominent. Scutellum compressed towards the tip. Furrow beneath the fore tibiae not one-third as long as the latter. Fore wings with some dull luteous streaks towards the base; veins bordered with dull luteous. Length of the body 6 lines.

a. Oajaca. From M. Sallé's collection.

b. St. Domingo. Presented by W. W. Saunders, Esq.

c. Venezuela. From Mr. Birschell's collection.

d. Columbia. From M. Goudot's collection.

South America.

| | | | | |
|-----------------------------------|---|---|---|---------------|
| A. Prothorax testaceous or tawny. | | | | |
| a. | Scutellum ascending. | - | - | pallescens. |
| b. | Scutellum horizontal. | - | - | decolor. |
| B. Prothorax black or piceous. | | | | |
| a. | Fore lobe with luteous tubercles. | - | - | tenebrosus. |
| b. | Fore lobe with no luteous tubercles. | - | - | |
| * | Membrane with pale-bordered veins. | - | - | |
| † | Corium with testaceous streaks. | - | - | partitus. |
| †† | Corium with luteous marks. | - | - | lugubris. |
| ** | Fore wings with a patch, an interrupted band, and a streak luteous. | - | - | xanthospilus. |
| *** | Fore wings with a luteous patch. | - | - | |
| † | Legs not short. | - | - | signatus. |
| †† | Legs short. | - | - | crassipes. |
| **** | Fore wings with white streaks. | - | - | plagipectus. |
| ***** | Corium with luteous-bordered veins. | - | - | areolatus. |

9. REDUVIUS PALLIDUS.

Mas. *Testaceus, fusiformis; caput prothoracis lobo antico longius; antennæ nigrae, corporis dimidio longiores; prothorax vitta brevissima nigra; lobus anticus vix sulcatus, lobi postici dimidio brevior; lobus posticus nigro biguttatus; scutellum apicem versus compressum oblique ascendens; venter carinatus, nigro biserialim guttatus; connexivum nigro maculatum.*

Male. Testaceous, fusiform, dull. Head very short, longer than the fore lobe of the prothorax; ante-ocular part a little longer than the post-ocular. Antennæ black, more than half as long as the body; first joint very short; second twice as long as the first; third more than thrice as long as the second. Prothorax with a black stripe, which extends from the hind part of the fore lobe to two-thirds of the length of the hind lobe. Fore lobe hardly furrowed, not more than one-third as long as the hind lobe; fore angles not prominent. Hind lobe with a black dot on each side of the disk; hind angles rectangular, slightly prominent. Scutellum compressed and obliquely ascending towards the tip. Abdomen keeled beneath, except towards the tip; a row of black dots along each side of the disk. Connexivum with black transverse spots. Four anterior tibiae furrowed beneath at their tips. Length of the body 9 lines.

a. Amazon Region. From Mr. Bates' collection.

10. REDUVIUS PARTITUS.

Fœm. *Niger, fusiformis; caput prothoracis lobo antico paullo longius; antennæ corporis dimidio longiores; prothoracis lobus anticus valde sulcatus lobo postico æquilongus, lateribus ferrugineis; scutelli apex spiniformis perparum ascendens; corium testaceo strigatum; membrana venæ piceæ, testaceo marginata.*

Female. Black, fusiform, dull, shining beneath. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ much more than half as long as the body; first joint longer than the ante-ocular head; second much longer than the first; third hardly longer than the second; fourth as long as the third. Fore lobe of the prothorax ferruginous on each side, as long as the hind lobe; furrows strongly marked; fore angles prominent, rectangular. Scutellum ending in a very slightly ascending spine. Corium with some short pale testaceous streaks. Veins of the membrane piceous, bordered with testaceous. Length of the body 5½ lines.

a. Amazon Region. Presented by W. W. Saunders, Esq.

11. REDUVIUS LUGUBRIS.

Fœm. *Niger, fusiformis; caput prothoracis lobo antico multo longius; antennæ corporis dimidio longiores; prothoracis lobus anticus sulcatus, lobo postico æquilongus, scutellum apicem versus compressum, subascendens; venter carinatus; femora antica subincrassata; corium maculis duabus guttisque tribus luteis; membrana venæ luteo marginata.*

Female. Black, fusiform, dull, shining beneath. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part shorter than the post-ocular. Antennæ more than half as long as the body; first joint much longer than the ante-ocular head; second rather longer than the first. Fore lobe of the prothorax as long as the hind lobe; furrows distinct; fore angles prominent, slightly acute. Hind lobe with a broad strongly-marked furrow. Scutellum compressed and slightly ascending at the tip. Abdomen keeled beneath. Fore femora slightly thickened. Middle tibiae furrowed beneath for one-third of the length, slightly dilated at the tips. Corium with a quadrate luteous spot and three luteous dots at the base, and with an elongated luteous costal spot near the tip. Membrane with luteous-bordered veins. Length of the body $8\frac{1}{2}$ lines.

a. Columbia. From Mr. Turner's collection.

12. REDUVIUS XANTHOSTYLUS.

Fem. *Niger, fusiformis; caput prothoracis lobo antico multo longius; antennæ corporis dimidio longiores; prothoracis lobus anticus valde sulcatus, lobo paullo brevior; scutellum apicem versus spiniforme, subascendens; venter basi carinatus; tarsi fulvi; alæ anticæ macula, fascia interrupta informi strigaeque luteæ.*

Female. Black, fusiform, dull, shining beneath. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part rather shorter than the post-ocular. Antennæ more than half as long as the body; first joint much longer than the ante-ocular head; second much longer than the first; third rather shorter than the second. Fore lobe of the prothorax a little shorter than the hind lobe; furrows strongly marked; fore angles prominent, slightly acute. Hind lobe with a strongly-marked furrow, which does not extend to the hind border. Scutellum ending in a slightly ascending spine. Abdomen keeled beneath towards the base. Furrow beneath the four anterior tibiae not more than one-third as long as the latter. Tarsi tawny. Fore wings with a luteous spot on the inner border near the base, with an interrupted and irregular luteous middle band, and with a luteous streak in the disk of the membrane. Length of the body $6\frac{1}{2}$ lines.

a. Ega. From Mr. Bates' collection.

13. REDUVIUS SIGNATUS.

Mas. *Niger, fusiformis; caput prothoracis lobo antico longius; antennæ corporis dimidio longiores; prothoracis lobus anticus sulcatus lobo postico paullo brevior; scutellum apicem versus compressum, subascendens; venter carinatus; alæ anticæ plaga lutea valde producta.*

Male. Black, fusiform, dull, shining beneath. Head fusiform, rather longer than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. Antennæ more than half as long as the body; first joint rather longer than the ante-ocular head; second much longer than the first. Fore lobe of the prothorax a little shorter than the hind lobe; furrows well defined; fore angles prominent, acute. Hind lobe with a distinct furrow, which does not extend to the hind border. Scutellum compressed and slightly ascending at the tip. Abdomen keeled beneath.

Furrow beneath the four anterior tibiae not more than one-third as long as the latter. Fore wings with a very large luteous patch, which occupies the inner border from the base to the middle, where it extends to the costa. Length of the body $5\frac{1}{2}$ lines.

a, b. Columbia. From Mr. Turner's collection.

14. REDUVIUS DECOLOR.

Ma. *Fulvus, fusiformis*; caput prothoracis lobo antico multo longius; antennæ piceæ, prothoracis lobus anticus lobo postico multo longior; venter piceo biserialim maculatus; pedes breviusculi; membrana cinerea.

Male Tawny, fusiform, smooth, shining. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part about twice as long as the post-ocular. Antennæ piceous; first joint very short; second as long as the head; third rather longer than the second. Prothorax with rounded and not prominent angles, and with a short longitudinal furrow, which occupies a part of each lobe. Fore lobe much longer than the hind lobe. Scutellum horizontal. Abdomen beneath with large piceous spots along each side. Legs rather short; furrow beneath the fore tibiae not more than half as long as the latter. Membrane cinereous. Length of the body 9 lines.

a, b. South America. Presented by Sir A. Calcott.

15. REDUVIUS TENEBROBUS.

Form. *Niger, longi-fusiformis*; caput prothoracis lobo antico multo longius; prothoracis lobus anticus luteo tuberculatus, lobo postico brevior; anguli lobi postici lutei, prominuli rectangulati; scutellum apice unispinosum; venter carinatus; connexivum luteo maculatum; corium luteo unimaculatum.

Female. Black, elongate-fusiform, shining beneath. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ much longer than the head and the prothorax together; first joint as long as the ante-ocular head, second full twice as long as the first; third much shorter than the second, fourth as long as the third. Fore lobe of the prothorax rather shorter than the hind lobe, with two luteous tubercles on the disk, with a luteous tubercle on each side, and with two smaller tubercles on the hind border; fore angles prominent, acute. Hind lobe with prominent rectangular luteous hind angles. Scutellum ending in an obtuse obliquely ascending spine. Abdomen keeled beneath, except towards the tip. Connexivum with luteous spots. Furrow beneath the four anterior tibiae extremely short. A luteous sub-apical spot on the corium divided by a black vein. Length of the body 11 lines.

a. Tejuca. Presented by the Rev. H. Clark.

16. *REDUVIUS FLAGIPENNIS*.

Fœm. *Niger, fusiformis; caput prothoracis lobo antico longius; lobus anticus lobo postico brevior convexior; scutelli spina apicalis oblique ascendens; venter carinatus; tarsi lutei; alæ anticae macula basali vitrea fasciæque e strigis quinque albis, membranae venis albo-marginatis.*

Female. Black, fusiform, shining beneath. Head fusiform, somewhat longer than the fore lobe of the prothorax; ante-ocular part a little longer than the post-ocular. Antennæ longer than the head and the prothorax together; first joint longer than the ante-ocular head; second much longer than the first, third as long as the second; fourth longer than the third. Fore lobe of the prothorax shorter and more convex than the hind lobe; fore angles obtuse, slightly prominent. Hind lobe with a slight middle furrow; hind angles rounded, not prominent. Scutellum ending in an obliquely ascending spine. Abdomen keeled beneath. Furrow beneath the fore tibiae less than one-third as long as the latter. Tarsi luteous. Fore wings with a limpid spot near the base and with an oblique band formed by five white streaks; veins of the membrane white, white-bordered. Length of the body $8\frac{1}{2}$ lines.

a. Para. Presented by W. W. Saunders, Esq.

17. *REDUVIUS AREOLATUS*.

Fœm. *Niger, subfusiformis, opacus; caput conicum, prothoracis lobo antico longius; pedes setulosi, femoribus quatuor anterioribus robustis; alæ anticae maculis duabus venarumque marginibus luteis.*

Female. Black, subfusiform, dull. Head conical, rather longer than the fore lobe of the prothorax; ante-ocular part a little longer than the post-ocular. Antennæ longer than the head and the prothorax together; first joint longer than the ante-ocular, second as long as the first. Fore lobe of the prothorax a little shorter than the hind lobe; longitudinal furrow distinct. Scutellum elongate-triangular. Legs setulose; four anterior femora stout; furrow beneath the four anterior tibiae not more than one-third as long as the latter. Fore wings with luteous-bordered veins, except towards the base, near which there are two luteous spots. Length of the body — lines.

a. Columbia. From Mr Turner's collection.

18. *REDUVIUS CRASSIPES*.

Picea, fusiformis; caput ellipticum, prothoracis lobo antico longius; antennarum articulus lux fulvus; scutellum apicem versus spiniforme; connexivum ferrugineum; pedes ferruginei, breves, robusti; alæ anticae plaga basali testacea.

Piceous, shining, fusiform. Head elliptical, longer than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. Antennæ slender, much longer than the head and the prothorax together; first joint tawny, a little longer than the ante-ocular head; second nearly

9. REDUVIUS PALLESCENS.

Mat. Testaceous, fusiformis; caput prothoracis lobo antico longius; antennæ nigrae, corporis dimidio longiores; prothorax vitta brevissima nigra; lobus anticus vix sulcatus, lobi postici dimidio brevior; lobus posticus nigro biguttatus; scutellum apicem versus compressum oblique ascendens; venter carinatus, nigro biserialim guttatus; connexivum nigro maculatum.

Male Testaceous, fusiform, dull. Head very short, longer than the fore lobe of the prothorax; ante-ocular part a little longer than the post-ocular. Antennæ black, more than half as long as the body; first joint very short, second twice as long as the first; third more than thrice as long as the second. Prothorax with a black stripe, which extends from the hind part of the fore lobe to two-thirds of the length of the hind lobe. Fore lobe hardly furrowed, not more than one-third as long as the hind lobe, fore angles not prominent. Hind lobe with a black dot on each side of the disk, hind angles rectangular, slightly prominent. Scutellum compressed and obliquely ascending towards the tip. Abdomen keeled beneath, except towards the tip; a row of black dots along each side of the disk. Connexivum with black transverse spots. Four anterior tibiae furrowed beneath at their tips. Length of the body 9 lines.

Amazon Region. From Mr. Bates' collection.

10. REDUVIUS PARTITUS.

Fœm. Niger, fusiformis; caput prothoracis lobo antico paullo longius; antennæ corporis dimidio longiores; prothoracis lobus anticus valde sulcatus lobo postico aequalongus, lateribus ferrugineis; scutelli apex spiniformis perparum ascendens; corium testaceo strigatum; membrana venæ piceæ, testaceo marginata.

Female. Black, fusiform, dull, shining beneath. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ much more than half as long as the body; first joint longer than the ante-ocular head; second much longer than the first; third hardly longer than the second, fourth as long as the third. Fore lobe of the prothorax ferruginous on each side, as long as the hind lobe; furrows strongly marked, fore angles prominent, rectangular. Scutellum ending in a very slightly ascending spine. Corium with some short pale testaceous streaks. Veins of the membrane piceous, bordered with testaceous. Length of the body $5\frac{1}{2}$ lines.

Amazon Region. Presented by W. W. Saunders, Esq.

11. REDUVIUS LUCUBRIS.

Fœm. Niger, fusiformis, caput prothoracis lobo antico multo longius; antennæ corporis dimidio longiores, prothoracis lobus anticus sulcatus, lobo postico aequalongus; scutellum apicem versus compressum, subascendens; venter carinatus; femora antica subincrassata, corium maculis duabus guttisque tribus luteis; membrana venæ luteo marginata.

| | | | | | |
|--|---|---|---|---|----------------|
| b. Femora with no bands. | | | | | |
| * Membrane spotted. | - | - | - | - | dorsalis. |
| ** Membrane not spotted. | | | | | |
| † Pale yellow; head and prothorax brown. | - | - | - | - | obscuricollis. |
| †† Pale yellow; head brown. | - | - | - | - | fusciceps. |

24. REDUVIUS TARSATUS.

Reduvius tarsatus, *Germ. Silb. Rev. Ent.* v. 131—*Reduvius nigrofuscus*, *Stal, Ofv. K. V. Ak. Forh.* xii. 48—*Opsicæus tarsatus*, *Stal, Hem. Afr.* iii. 139.

Cape.

a—c. Natal. From M. Gueinzius' collection.

25. REDUVIUS OBSCURICOLLIS.

Holotrichius obscuricollis, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 318—*Opsicæus obscuricollis*, *Stal, Hem. Afr.* iii. 140.

South Africa.

26. REDUVIUS FUSCICEPS.

Reduvius fusciceps, *Stal, Ofv. K. V. Ak. Forh.* xv. 218—*Opsicæus fusciceps*, *Stal, Hem. Afr.* iii. 140.

South Africa.

Div. 2.

Varus, *Stal, Hem. Afr.* iii. 141.

27. REDUVIUS FLAVOANNULATUS.

Reduvius flavoannulatus, *Stal, Ofv. K. V. Ak. Forh.* xii. 40—*Varus flavoannulatus*, *Stal, Hem. Afr.* iii. 141.

Natal.

28. REDUVIUS OCHROPUS.

Opinus ochripes, *Stal, Ofv. K. V. Ak. Forh.* xii. 40—*Varus ochropus*, *Stal, Hem. Afr.* iii. 141.

Natal.

29. REDUVIUS ANNULATUS.

Reduvius annulatus, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 188—*Opsicæus annulatus*, *Stal, Hem. Afr.* iii. 138.

Sierra Leone.

Div. 3.

Phonergates, *Stal, Ofv. K. V. Ak. Forh.* 1853, 261. *Hem. Afr.* iii. 137.

A Body shining. Prosternum in front with two slightly prominent tubercles. - - - - - *bicoloripes*.

B. Body dull. Prosternum in front with two conical very prominent tubercles. *Clopophora*, *Stal, Ofv. K. V. Ak. Forh.* 261.

- | | | | | | |
|-----------------------------------|---|---|---|---|---------------|
| a. Red, with some black marks. - | - | - | - | - | basilicus. |
| b. Black, with some pale marks. - | - | - | - | - | limbiventris. |

30. REDUVIUS BICOLORIPES.

Phonergates bicoloripes, *Stal, Ofv. K. V. Ak. Forh.* xii. 40; *Hem. Afr.* iii. 137.

Natal.

31. REDUVIUS BABILICUS.

Clopophora basilica, *Stal, Ofv. K. V. Ak. Forh.* xii. 40—*Phonergates basilicus*, *Stal, Hem. Afr.* iii. 137.

Natal.

32. REDUVIUS LIMBIVENTRIS.

Clopophora limbiventris, *Stal, Ofv. K. V. Ak. Forh.* xii. 40—*Phonergates limbiventris*, *Stal, Hem. Afr.* iii. 138.

Natal.

Div. 4.

Cerilocus, *Stal, Ofv. K. V. Ak. Forh.* xv. 443; *Hem. Afr.* iii. 135.

33. REDUVIUS DOHRNI.

Cerilocus Dohrni, *Stal, Ofv. K. V. Ak. Forh.* xv. 443; *Hem. Afr.* iii. 136.
Mozambique.

34. REDUVIUS NERO.

Cerilocus Nero, *Stal, Ofv. K. V. Ak. Forh.* xv. 443; *Hem. Afr.* iii. 136.
Calabar.

35. REDUVIUS INERMIPES.

Cerilocus inermipes, *Stal, Ofv. K. V. Ak. Forh.* xvi. 187; *Hem. Afr.* iii. 136.

Guinea.

A. Scutellum ascending.

- | | | | | | |
|----------------------------|---|---|---|---|-------------|
| a. Body luteous and black. | | | | | |
| * Legs with no bands. - | - | - | - | - | semiflavus. |
| ** Legs with bands. - | - | - | - | - | varius. |
| b. Body red. - | - | - | - | - | cruentus. |

B. Scutellum horizontal.

- | | | | | | |
|---|---|---|---|---|------------|
| a. Body red. | | | | | |
| * Corium black, with a red costal stripe and a red patch. | | | | | Negamicus. |
| ** Corium black, with a curved red streak. - | - | - | - | - | curvifer. |
| b. Body black or brown. | | | | | |
| * Corium luteous, with a black streak. - | - | - | - | - | decisus. |
| ** Corium cinereous-brown or piceous. | | | | | |
| † Body fusiform. - | - | - | - | - | turpis. |
| †† Body nearly linear. - | - | - | - | - | pusillus. |

beneath very short. Fore wings piceous, pale testaceous at the base, and with a pale testaceous patch before the middle; veins of the membrane pale cinereous. Length of the body 10 lines.

a. Interior of South Africa. Presented by the Earl of Derby in 1843.

38. REDUVIUS NEGAMICUS.

Mas. *Rufus, subfusiformis, caput prothoracis lobo antico paullo longius, nigro unistriatum; antennæ nigrae, corporis dimidio longiores; prothoracis lobus anticus sulcatus, lobo postico brevior; pedes sat validi, femoribus anticis subincrassatis, tibus tarsi-que nigra; alae anticae nigrae, corii vitta costali plagaque rufis.*

Male. Red, subfusiform, dull, shining beneath. Head subfusiform, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular, with a black streak in front. First and second joints of the rostrum about equal in length. Antennæ black, more than half as long as the body; first joint as long as the head, second shorter than the first; third as long as the first. Fore lobe of the prothorax somewhat shorter than the hind lobe, with strongly-marked furrows, fore angles not prominent. Hind lobe with rounded and slightly prominent hind angles. Legs rather stout, fore femora slightly thickened; tibiae and tarsi black, furrow of the four anterior tibiae less than half as long as the latter. Fore wings black; corium with a red costal stripe extending from the base and joining a red patch beyond the middle. Length of the body 8 lines.

a. Lake N'gami. Presented by Earl Russell.

39. REDUVIUS DECISUS.

Mas. *Niger, fusiformis, caput prothoracis lobo antico paullo longius; antennæ pubescentes, capite et prothorace ad unum multo longiores; prothoracis lobus anticus lobo postico multo brevior; lobus posticus luteus, femora quatuor anteriora crassa, subtus unispinosa; corium luteum, nigro unistriatum; membrana albido marginata.*

Male. Black, fusiform, smooth, shining. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ pubescent, much longer than the head and the prothorax together; first joint shorter than the ante-ocular head; second more than six times as long as the first; third more than half as long as the second. Prothorax with a longitudinal furrow which occupies only the hind part of the fore lobe. Fore lobe much shorter than the hind lobe, with a distinct transverse ridge on the fore border. Hind lobe luteous, with rounded and not prominent hind angles. Scutellum hairy. Abdomen piceous above. Four anterior femora incrassated, with a spine beneath near the tip. Hind femora with a tubercle beneath near the tip. Furrow of the fore tibiae about one-third as long as the latter. Corium luteous, with a black streak along the apical part of the inner border. Membrane narrowly whitish-bordered. Length of the body 13 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

36. REDUVIUS SEMIFLAVUS.

Fem. *Niger, longi-subfusiformis; caput prothoracis lobo antico multo longius; antennæ corpore breviores, articulo 3o basi albida; prothoracis lobus anticus luteus, lobo postico paullo brevior; scutellum apice spina brevi oblique ascendente armatum, abdomen luteum; venter nigro bivittatus, basi carinatus; pedes lutei; alæ anticæ basi strigae costali lanceolata lutea.*

Female. Black, elongate-subfusiform, shining beneath. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part a little longer than the post-ocular. Antennæ rather shorter than the body; first joint much longer than the ante-ocular head; second about twice as long as the first, third rather shorter than the second, whitish at the base; fourth rather shorter than the third. Fore lobe of the prothorax luteous, with a deep middle furrow, a little shorter than the hind lobe; fore angles not prominent. Hind lobe with a middle furrow, which widens hindward and with a slight excavation on each side. Scutellum ending in a short obliquely ascending spine. Abdomen luteous; under side keeled at the base, with two black stripes which do not extend to the tip. Legs luteous; four anterior tibiae furrowed beneath at the tips. Fore wings luteous towards the base and with a lanceolate luteous costal streak beyond the middle. Length of the body 7 lines.

a, b. Natal. From M. Gueinzus' collection.

37. REDUVIUS VARIUS.

Mas. *Luteus, longi-fusiformis; caput nigro trinotatum, prothoracis lobo antico multo longius; antennæ nigrae, articulis 1o 2oque basi lutescentibus; prothoracis lobus anticus sulcatus, lobo postico multo brevior; lobus posticus nigro bivittatus et biguttatus; scutellum nigrum, bispinosum, testaceo binotatum, apice subascendens; venter vittis duabus latis dentatis postice connexis; connexivum nigro maculatum; pedes nigro fasciati; alæ anticæ piceæ, basi plagaque pallide testaceæ, membrana venis pallide cinereis.*

Male. Luteous, elongate-fusiform. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part with a black dot near the base and another near the tip, much longer than the post-ocular, which has a black disk. Rostrum black, except the first joint which is a little shorter than the second. Antennæ black, not more than half as long as the body; first and second joints pale luteous at the base; first as long as the ante-ocular head; second about twice as long as the first; third a little shorter than the second; fourth a little shorter than the third. Fore lobe of the prothorax much shorter than the hind lobe, deeply sculptured; furrows black. Hind lobe with two black stripes which widen hindward, and with an elongated black dot on each side. Scutellum black, compressed and slightly ascending at the tip, with a small testaceous mark at the base, and with a small black spine on each side near the base. Abdomen beneath with two broad black dentate stripes which are united near the tip. Connexivum with black quadrate spots. Femora with two black bands, the second apical. Four anterior tibiae with three black bands, the furrow

beneath very short. Fore wings piceous, pale testaceous at the base, and with a pale testaceous patch before the middle; veins of the membrane pale cinereous. Length of the body 10 lines.

c. Interior of South Africa. Presented by the Earl of Derby in 1843.

38. REDUVIUS NEGAMICUS.

Mas. *Rufus, subfusiformis; caput prothoracis lobo antico paullo longius, nigro unistrigatum; antennæ nigrae, corporis dimidio longiores; prothoracis lobus anticus sulcatus, lobo postico brevior; pedes sat validi, femoribus anticis subincrassatis, tibiis tarsisque nigris; alae anticae nigrae, corii vitta costali plagaque rufa.*

Male. Red, subfusiform, dull, shining beneath. Head subfusiform, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular, with a black streak in front. First and second joints of the rostrum about equal in length. Antennæ black, more than half as long as the body, first joint as long as the head, second shorter than the first; third as long as the first. Fore lobe of the prothorax somewhat shorter than the hind lobe, with strongly-marked furrows, fore angles not prominent. Hind lobe with rounded and slightly prominent hind angles. Legs rather stout; fore femora slightly thickened; tibiae and tarsi black; furrow of the four anterior tibiae less than half as long as the latter. Fore wings black; corium with a red costal stripe extending from the base and joining a red patch beyond the middle. Length of the body 8 lines.

a. Lake N'gami. Presented by Earl Russell.

39. REDUVIUS DECORUS.

Mas. *Niger, fusiformis; caput prothoracis lobo antico paullo longius; antennæ pubescentes, capite et prothorace ad unum multo longiores; prothoracis lobus anticus lobo postico multo brevior; lobus posticus luteus, femora quatuor anteriora crassa, subtus unispinosa; corium luteum, nigro unistrigatum, membrana albida marginata.*

Male. Black, fusiform, smooth, shining. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ pubescent, much longer than the head and the prothorax together; first joint shorter than the ante-ocular head; second more than six times as long as the first; third more than half as long as the second. Prothorax with a longitudinal furrow which occupies only the hind part of the fore lobe. Fore lobe much shorter than the hind lobe, with a distinct transverse ridge on the fore border. Hind lobe luteous, with rounded and not prominent hind angles. Scutellum hairy. Abdomen piceous above. Four anterior femora incrassated, with a spine beneath near the tip. Hind femora with a tubercle beneath near the tip. Furrow of the fore tibiae about one-third as long as the latter. Corium luteous, with a black streak along the apical part of the inner border. Membrane narrowly whitish-bordered. Length of the body 13 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

40. *REDUVIUS CURVIFER*.

Fæm. *Rufus, subfusiformis; caput prothoracis lobo antico multo longius, postice nigrum; rostrum nigrum, basi rufum, antennæ, scutellum, pectus, pedes atque antica nigra; prothoracis lobus anticus postice nigro notatus, lobo postico brevior; pedes setulosi; corium vitta arcuata rufa.*

Female. Bright red, subfusiform. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular, which is black. Rostrum black; first joint red. Antennæ black; first joint shorter than the ante-ocular head; second about twice as long as the first. Prothorax with rounded and not prominent angles. Fore lobe shorter than the hind lobe, with some black marks on the hind part. Scutellum and pectus black, fore part of the latter red. Connexivum with black spots. Legs black, setulose. Fore wings black; corium with a curved red stripe, which joins the costa at each end. Length of the body 5 lines.

a. Cape. Presented by W. W. Saunders, Esq.

41. *REDUVIUS TURPIS*.

Mas. *Cinereo-fusca, fusiformis; caput prothoracis lobo antico æquilongum, antennæ corporis dimidio longiores, articulo 1o testaceo; prothoracis lobus anticus lobo postico paullo brevior, abdomen testaceum; connexivum nigro maculatum; tibiæ antica apice nigra.*

Male. Cinereous-brown, dull, fusiform. Head fusiform, as long as the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ more than half as long as the body, first joint testaceous, nearly as long as the head, second much shorter than the first. Fore lobe of the prothorax a little shorter than the hind lobe; furrows very slight; fore angles not prominent. Hind lobe with slightly prominent and rounded hind angles. Abdomen testaceous, shining; connexivum with transverse black spots. Fore tibiæ with black tips; furrow beneath very short. Length of the body 6 lines.

a. Natal. From M. Guerinzius' collection.

42. *REDUVIUS ORIENTUS*.

Fæm. *Late rufus, fusiformis, capite scutello pectore pedibus membranaque nigris, caput prothoracis lobo antico multo longius; prothoracis lobus anticus sulcatus, lobo postico brevior et convexior; scutellum apicem versus spiniforme rufum oblique ascendens; segmentorum ventralium sutura nigra; femora quatuor anteriora rufa valida, basi apiceque nigra.*

Female. Bright red, fusiform, smooth, shining. Head, rostrum except at the base, antennæ, scutellum, pectus, legs and membrane black. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part red, much longer than the post-ocular. First joint of the antennæ as long as the ante-ocular head; second very much longer than

beneath very short. Fore wings piceous, pale testaceous at the base, and with a pale testaceous patch before the middle; veins of the membrane pale cinereous. Length of the body 10 lines.

Interior of South Africa. Presented by the Earl of Derby in 1843.

38. REDUVIUS NEGAMICUS.

Mas. Rufus, subfusiformis; caput prothoracis lobo antico paullo longius, nigro unistrigatum; antennæ nigrae, corporis dimidio longiores; prothoracis lobus anticus sulcatus, lobo postico brevior, pedes sat validi, femoribus anticis subincrassatis, tibiis tarsisque nigris; alae anticae nigrae, corii vitta costali plagaque rufis.

Male. Red, subfusiform, dull, shining beneath. Head subfusiform, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular, with a black streak in front. First and second joints of the rostrum about equal in length. Antennæ black, more than half as long as the body; first joint as long as the head; second shorter than the first; third as long as the first. Fore lobe of the prothorax somewhat shorter than the hind lobe, with strongly-marked furrows, fore angles not prominent. Hind lobe with rounded and slightly prominent hind angles. Legs rather stout; fore femora slightly thickened; tibiae and tarsi black; furrow of the four anterior tibiae less than half as long as the latter. Fore wings black corium with a red costal stripe extending from the base and joining a black patch beyond the middle. Length of the body 8 lines.

Lake N'gami. Presented by Earl Russell.

39. REDUVIUS DEORIVS.

Mas. Niger, fusiformis; caput prothoracis lobo antico paullo longius; antennæ pubescentes, capite et prothorace ad unum multo longiores; prothoracis lobus anticus lobo postico multo brevior; lobus posticus luteus, femora quatuor anteriora crassa, subtilis unispinosa; corium luteum, nigro unistrigatum, membrana albido marginata.

Male. Black, fusiform, smooth, shining. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ pubescent, much longer than the head and prothorax together, first joint shorter than the ante-ocular head; second more than six times as long as the first; third more than half as long as the second. Prothorax with a longitudinal furrow which occupies only the hind part of the fore lobe. Fore lobe much shorter than the hind lobe, with a distinct transverse ridge on the fore border. Hind lobe luteous, with rounded and not prominent hind angles. Scutellum hairy. Abdomen luteous above. Four anterior femora incrassated, with a spine beneath near the tip. Hind femora with a tubercle beneath near the tip. Furrow of the fore tibiae about one-third as long as the latter. Corium luteous, with a black streak along the apical part of the inner border. Membrane narrowly whitish-bordered. Length of the body 13 lines.

Sierra Leone. Presented by the Rev. D. F. Morgan.

44. REDUVIUS TENEBROSUS.

tenebrosus, Stal, MSS.

Mas et fœm. Ater, longi-subfusiformis; caput prothoracis lobo antico valde longius; antennæ corporis dimidio longiores; prothoracis lobus anticus lobo postico brevior; lobus posticus rufus, trisulcatus; pedes graciles, pilosi.

Male and female. Deep black, dull, elongate-subfusiform, shining beneath. Head subfusiform, very much longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ more than half as long as the body, first joint as long as the head; second much longer than the first; third as long as the second; fourth a little longer than the first. Prothorax with a deep middle furrow. Fore lobe somewhat shorter than the hind lobe; fore angles not prominent. Hind lobe red, with a furrow on each side; hind angles not prominent. Scutellum not ascending. Legs slender, hairy; furrow beneath the fore tibiæ less than half as long as the latter. Length of the body 6 lines.

a, b. North China. From Mr. Fortune's collection.

45. REDUVIUS RIVULOSUS.

Mas et fœm. Niger, fusiformis; caput prothoracis lobo antico paullo longius; antennæ capite et prothorace ad unum multo longiores; prothoracis lobus anticus valde sulcatus, lobo postico brevior; ventris discus planus; tibiæ ferrugineæ; alæ anticæ plaga basali magna angulata ventisque testaceis.

Male and female. Black, fusiform, shining beneath. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ much longer than the head and the prothorax together, first joint shorter than the ante-ocular head; second about six times as long as the first; third much more than half as long as the second, fourth as long as the second. Prothorax with rounded and slightly prominent angles, and with a broad middle furrow which is abbreviated in front. Fore lobe shorter than the hind lobe, with strongly marked oblique furrows. Scutellum lanceolate, horizontal. Under side of the abdomen with a flat disk. Four anterior femora stout. Tibiæ ferruginous. Furrows beneath the four anterior tibiæ less than one-third as long as the latter. Fore wings with a large angular basal testaceous patch; veins mostly testaceous. Length of the body 8—10 lines.

a. Tenasserim. Presented by — Packman, Esq.

b. Singapore. Presented by W. W. Saunders, Esq.

c, d. Sikkim. Presented by J. C. Bowring, Esq.

e. Siam. Presented by W. W. Saunders, Esq.

f. Java.

g. Philippine Isles. From Mr. Cuming's collection.

46. REDUVIUS BILIQUATUS.

Mas. *Luteus, fusiformis, subtus niger ferrugineo univittatus; caput prothoracis lobo antico longius; antennæ nigrae, corporis dimidio valde longiores, articulo 1o luteo basi apiceque nigro; prothoracis lobus anticus valde convexus et sulcatus, lobo postico paullo brevior; lobus posticus bituberculatus, nigro quadrinotatus; scutellum apicem versus spiniforme, oblique ascendens; connexivum luteo maculatum; pedes nigro fasciati; alae anticae nigrae, basi plaga venarumque marginibus luteis.*

Male. Luteous, fusiform, dull, shining beneath. Head subfusiform, rather longer than the fore lobe of the prothorax; ante-ocular part a little longer than the post-ocular. Antennæ black, much more than half as long as the body; first joint luteous, black towards the base and at the tip, longer than the ante-ocular head; second very much longer than the first; third much longer than the second. Fore lobe of the prothorax a little shorter than the hind lobe, very convex, with strongly-marked black furrows; fore angles rounded, slightly prominent. Hind lobe with rectangular prominent hind angles, with four black marks in front, and with a tubercle on each side of the hind border. Scutellum ending in an obliquely ascending spine. Pectus and under side of abdomen black, with a ferruginous stripe. Connexivum with luteous spots. Femora black towards the base and with a black band beyond the middle, tibiae with a black band and with black tips; furrow beneath the fore tibiae less than half as long as the latter. Fore wings black, luteous at the base, with a luteous patch before the middle, and with luteous-bordered veins. Length of the body 9½ lines.

a. Siam. Presented by W. W. Saunders, Esq.

47. REDUVIUS ARGILLACEUS.

Mas et fœm. *Ferrugineus, longi-subfusiformis; caput prothoracis lobo antico longius, spina frontali oblique ascendente; antennæ corporis dimidio æquilongæ; prothoracis lobus anticus sulcatus, lobo postico paullo brevior, lobus posticus angulis acutis valde prominulis; scutellum apicem versus spiniforme, oblique ascendens; abdominis dorsum ventris latera pedesque testacea.*

Male and female. Ferruginous, dull, elongate-subfusiform. Head subfusiform, longer than the fore lobe of the prothorax, with an obliquely ascending spine between the antennæ; ante-ocular part as long as the post-ocular. Antennæ about half as long as the body; first joint as long as the head; second much longer than the first; third longer than the second. Fore lobe of the prothorax a little shorter than the hind lobe, with distinct furrows; fore angles prominent, acute. Hind lobe with acute and very prominent hind angles. Scutellum ending in an obliquely ascending spine. Abdomen dull testaceous above and along each side beneath. Legs testaceous; furrow beneath the fore tibiae very short. Length of the body 6 lines.

a. Tenasserim. Presented by — Packman, Esq.

b. Malacca. Presented by W. W. Saunders, Esq.

48. *REDUVIUS PYRRHOPHORUS*.

Mas. Late rufus, fusiformis; caput prothoracis lobo antico longius; prothoracis lobus anticus lobo postico vix brevior; pectus, pedes et membrana nigra; venter macula subapicali nigra; pedes graciles.

Male. Bright red, fusiform. Head fusiform, longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Prothorax with a broad short longitudinal furrow; angles rounded, not prominent. Fore lobe nearly as long as the hind lobe. Scutellum horizontal. Pectus, legs and membrane black. Abdomen beneath with a black subapical spot. Legs slender; fore tibiae furrowed beneath at the tips. Length of the body 9 lines.

a. Cambodia. Presented by W. W. Saunders, Esq.

49. *REDUVIUS SINENSIS*.

Form. Niger, fusiformis, subtus piceus; caput prothoracis lobo antico longius; prothoracis lobus anticus valde sulcatus, lobo postico vix brevior; pectus et ventris discus plana; pedes picei, validi; alae anticae testaceo uniplagiatae.

Female. Black, fusiform, piceous, smooth and shining beneath. Head fusiform, rather longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. First joint of the antennae shorter than the ante-ocular head. Fore lobe of the prothorax almost as long as the hind lobe, strongly furrowed; fore angles prominent, slightly acute. Hind lobe punctured, with one furrow, and with rounded and not prominent hind angles. Scutellum horizontal, equilaterally triangular. Pectus and disk of the abdomen beneath flat. Legs piceous, stout; furrow beneath the four anterior tibiae short. Fore wings with an elongated pale testaceous patch near the base. Length of the body $6\frac{1}{2}$ lines.

a. Hong Kong. Presented by Major Champion.

50. *REDUVIUS PERPUSILLUS*.

Mas. Piceus, fusiformis, subtus fulvus; caput prothoracis lobo antico multo longius; antennae gracillimae, corpore breviores; prothoracis lobus anticus subsulcatus, lobo postico aequilongus; scutellum apicem versus spiniforme, subascendens; pedes fulvi, femoribus anticis crassis, alae anticae cinerea, albo unistrigatae.

Male. Piceous, fusiform, tawny and shining beneath. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennae very slender, somewhat shorter than the body; first joint much shorter than the ante-ocular head; second about thrice as long as the first; third rather longer than the second; fourth a little shorter than the third. Prothorax with rounded and not prominent angles. Fore lobe as long as the hind lobe; furrows slightly marked. Scutellum spine-shaped and slightly ascending towards the tip. Legs

tawny; fore femora thick; furrow beneath the fore tibiae nearly half as long as the latter. Fore wings cinereous, with a white streak along the clavus. Length of the body 3 lines.

a. North Bengal. From Lieut. Campbell's collection.

b. Hindostan. Presented by W. W. Saunders, Esq.

61. REDUVIUS DIVISICOLLIS.

Form. *Niger, longi-subfusiformis; caput prothoracis lobo antico paullo longius; prothoracis lobus anticus convexus, sulcatus, lobo postico aequalongus, lobus posticus piceus, angustis posticis acutis valde prominulis; scutellum apicem versus spiniforme, oblique ascendens; femora obscure rufa; corium rufescens, flavescens strigatum; membrana nigricans, atro unimaculata, venis exterioribus ad partem testaceo marginatis.*

Female. Black, elongate-subfusiform, shining beneath. Head subfusiform, a little longer than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. First and second joints of the rostrum equally long. Fore lobe of the prothorax with distinct furrows, as long as the hind lobe and much more convex; fore angles prominent, slightly acute. Hind lobe piceous, with acute and very prominent hind angles. Scutellum ending in an obliquely ascending spine. Femora dark red. Furrow beneath the fore tibiae about one-third as long as the latter. Corium reddish, with yellowish streaks. Membrane blackish, with a very large deep black spot at the base, exterior veins partly bordered with dull testaceous. Length of the body $7\frac{1}{2}$ lines.

a. Ceylon. Presented by Dr. Templeton.

52. REDUVIUS CONSPERSUS.

Ferrugineo-fuscus, fusiformis, caput antice unispinosum, prothoracis lobo antico longius; antennae fulvae, filiformes, corporis dimidio longiores, articulus 2o 3oque basi albidis; prothoracis lobus anticus subvulcatus, lobo postico paullo brevior; lobus posticus transverse substriatus, angulis posticis productis acutis; pedes pallide testacei, fusco fasciati; alae anticae testaceo punctatae.

Ferruginous-brown, fusiform. Head fusiform, rather longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular; a porrect spine in front. Antennae tawny, filiform, much longer than the head and the prothorax together; first joint a little shorter than the head; second and third whitish at the base; second rather shorter than the first; third much shorter than the second. Fore lobe of the prothorax a little shorter than the hind lobe, with slight furrows; a prominent tubercle on each side of the fore border. Hind lobe transversely and very slightly striated; hind angles prolonged into short stout spines. Legs pale testaceous; femora and tibiae with several brown bands; furrow beneath the fore tibiae very short. Fore wings with many pale testaceous points. Length of the body 5 lines.

c. Cambodia. Presented by W. W. Saunders, Esq.

53. REDUVIUS SINGULARIS.

Form. *Piceus, fere fusiformis*; caput conicum, prothoracis lobo antico paullo longius; antennæ fulvæ; pectus venterque discis planis fulvis; scutellum apicem versus spiniforme, abdominis dorsum ferrugineus; pedes pallide flavi, femoribus apice piceis, alæ anticae fuscae, basi clavoque albidis, membranae venis cinereo marginatis.

Female. Piceous, nearly fusiform. Head conical, a little longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ tawny, slender, much longer than the head and the prothorax together; first joint stout, shorter than the ante-ocular head; second full four times as long as the first, third somewhat shorter than the second. Fore lobe of the prothorax a little shorter than the hind lobe; longitudinal furrows well defined. Hind lobe with a middle longitudinal furrow. Disk of the pectus and that of the under side of the abdomen flat, tawny. Scutellum compressed and spine-shaped towards the tip. Abdomen ferruginous above. Legs pale yellow; femora piceous towards the tips; four anterior femora incrassated, furrow beneath the fore tibiae not more than one-fourth as long as the latter. Fore wings brown; base and clavus of the corium whitish; veins of the membrane cinereous-bordered. Length of the body 6—6½ lines.

a. Hindostan. From Archdeacon Clerk's collection.

b. Java. Presented by J. C. Bowring, Esq.

c. Java. From Mr. Argent's collection.

d, e. Philippine Isles. From Mr. Cuming's collection.

54. REDUVIUS BIANNULIPES.

Opsicælus biannulipes, Mtrx. *A. S. E. F. 4me Sér.* i. 69—*Microcleptes biannulipes*, Stal, *Ofv. K. V. Ak. Forh.* xxiv. 240.

Cuba. Malacca. Tringany. New Caledonia. Fiji Isles. Philippine Isles.

Eastern Isles.

Div. 1.

Agyrius, Stal, *A. S. E. F. 4me Sér.* iii. 40.

55. REDUVIUS PODAGRICUS.

Agyrius podagricus, Stal, *A. S. E. F. 4me Sér.* iii. 40.

Sarawak.

Div. 2.

Hagia, Stal, *A. S. E. F. 4me Sér.* iii. 40.

56. REDUVIUS PUNCTOBICE.

Hagia punctoris, Stal, *A. S. E. F. 4me Sér.* iii. 40.

a. Sarawak. From Mr. Wallace's collection.

57. *REDUVIUS LATICLAVIUS*.*Hagia laticlavia*, *Stal*, *A. S. E. F. 4me Sér.* iii. 40.

a. Philippine Isles. From Mr. Cuming's collection.

58. *REDUVIUS DISCOPHORUS*.*Hagia discophora*, *Stal*, *A. S. E. F. 4me Sér.* iii. 41.

Mysol.

Div. 3.

Stachyogenys, *Stal*, *Ofv. K. V. Ak. Forh.* xxvii. 696.59. *REDUVIUS SETIPES*.*Stachyogenys setipes*, *Stal*, *Ofv. K. V. Ak. Forh.* xxvii. 697.

Philippine Isles.

A. Scutellum ascending.

a. Fore lobe of the prothorax much shorter than the hind lobe. - - - - - annularis.

b. Fore lobe of the prothorax a little shorter than the hind lobe. - - - - - subfasciatus.

B. Scutellum horizontal.

a. Scutellum not ending in a spine. - - - lineatus.

b. Scutellum ending in a spine.

* Fore lobe much shorter than the hind lobe. - - erythrinus.

** Fore lobe a little shorter than the hind lobe. - unifasciatus.

60. *REDUVIUS ANNULARIS*.

Fœm. *Ferrugineus, fusiformis; caput prothoracis lobo postico paullo longius, postice testaceum nigro biguttatum nigrivante marginatum; lobus anticus lobo postico multo brevior; scutellum apicem versus spiniforme subascendens, pedes testacei, nigro cincti; alæ anticæ cinereæ, fusco subnebulosæ.*

Female. Ferruginous, fusiform, blackish beneath. Head fusiform, a little longer than the fore lobe of the prothorax, ante-ocular part a little shorter than the post-ocular, which is blackish on each side, and testaceous with two blackish dots above. Antennæ testaceous, longer than the head and the prothorax together; first, second and third joints black towards the tips, first longer than the ante-ocular head; second shorter than the first; third as long as the first, fourth very much longer than the third. Fore lobe of the prothorax much shorter than the hind lobe, with a large tubercle on each side of the disk; fore angles not prominent. Hind lobe with slightly acute and prominent hind angles. Scutellum with a short obliquely ascending spine. Connexivum with testaceous spots. Legs testaceous, with four black bands on the femora and as many on the tibiæ; four anterior tibiæ furrowed beneath at the tips. Fore wings cinereous, mottled slightly with brown. Length of the body 5 lines.

a. Celebes. From Mr. Wallace's collection.

61. *REDUVIUS LINEATUS*.

Fœm. *Piceus, longi-subfusiformis, subtus sordide testaceus; caput prothoracis lobo antico longius; antennæ graciles; prothoracis lobus anticus lobo postico paullo longior; lobi postici anguli subprominuli, subascendentes; pedes fulvi, breves, graciles, femoribus anticis crassis.*

Female. Piceous, elongate-subfusiform, dull, dingy testaceous beneath. Head subfusiform, longer than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ slender; first joint as long as the ante-ocular head; second nearly twice as long as the first. Prothorax with a slight furrow which widens hindward. Fore lobe a little longer than the hind lobe; a prominent tubercle on each side of the fore border. Hind lobe with rounded and slightly prominent and ascending hind angles. Scutellum horizontal, keeled. Legs tawny, short, slender; fore femora incrassated. Length of the body 7 lines.

a. Philippine Isles. From Mr. Cuming's collection.

62. *REDUVIUS ERYTHRINUS*.

Mas. *Lute rufus, subfusiformis; caput nigro fasciatum, prothoracis lobo antico multo longius; antennæ nigrae, corpore breviores, articulo 1o brevissimo basi rufo; prothoracis lobus anticus antice albo nigroque marginatus, lobo postico multo brevior, lobus posticus nigro biguttatus; pectus nigrum, rufo varium; venter fasciis quatuor maculisque quatuor posterioribus nigris; pedes et membrana nigra.*

Male. Bright red, subfusiform. Head fusiform, much longer than the fore lobe of the prothorax; a narrow black band behind the eyes, which are also black, ante-ocular part as long as the post-ocular. Rostrum black towards the tip; first joint as long as the second. Antennæ black, somewhat shorter than the body; first joint extremely short, red at the base; second much longer than the prothorax; third less than half as long as the second; fourth about half as long as the third. Fore lobe of the prothorax much shorter than the hind lobe, bordered with black and white in front; a shallow excavation in the disk, fore angles not prominent. Hind lobe with prominent nearly rectangular angles, and with a black dot on each side in front. Pectus mostly black. Abdomen beneath with four black bands and with four posterior black spots. Legs black, slender. Membrane black. Length of the body 8 lines.

a, b. Gilolo. Presented by W. W. Saunders, Esq.

c. Batchian. Presented by W. W. Saunders, Esq.

d. Philippine Isles. From Mr. Cuming's collection.

63. *REDUVIUS SUBFASCIATUS*.

Fœm. *Niger, longi-subfusiformis, subtus piceus; caput prothoracis lobo antico paullo longius; antennæ corporis dimidio longiores, prothoracis lobus anticus valde sulcatus, lobo postico paullo brevior; scutellum apicem versus compressum et subascendens; connexivum ferrugineum; femora quatuor anteriora subincrassata; alæ anticae luteo pallido late unifasciatae.*

Female. Black, elongate-subfusiform, slightly shining, piceous beneath. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Antennæ more than half as long as the body; first joint shorter than the ante-ocular head; second full four times as long as the first, third longer than the second; fourth shorter than the second. Fore lobe of the prothorax with determinate furrows, a little shorter than the hind lobe; fore angles rounded, not prominent. Hind lobe with a middle furrow; hind angles rounded, hardly prominent. Scutellum compressed and slightly ascending at the tip. Connexivum ferruginous. Four anterior femora slightly thickened; furrow of the four anterior tibiae not more than one-third of their length. Fore wings with a broad pale luteous band near the base. Length of the body 9 lines.

a. New Guinea. Presented by W. W. Saunders, Esq.

64. REDUVIUS UNIFASCIATUS.

Max. *Niger, fere linearis, subtus testaceus; caput prothoracis lobo antico paullo longius; antennæ graciles, capite et prothorace ad unum multo longiores; prothorax rufus; lobus posticus nigro bimaculatus, lobo antico paullo longior; scutellum rufum, apicem versus spiniforme; connexivum rufum, coxæ fulvæ; femora fulvo univittata.*

Male. Black, nearly linear, shining beneath. Head fusiform, a little longer than the fore lobe of the prothorax; ante-ocular part rather longer than the post-ocular. Antennæ slender, much longer than the head and the prothorax together; first joint much shorter than the ante-ocular head; second about six times as long as the first; third longer than the second. Prothorax bright red above, with a slight longitudinal furrow, and with rounded and not prominent angles. Fore lobe a little shorter than the hind lobe, which has two large black spots adjoining its fore border. Scutellum red, ending in a horizontal spine. Pectus and under side of the abdomen testaceous; tip of the latter black. Connexivum bright red. Coxæ and trochanters tawny. Femora with a tawny stripe; fore femora incrassated; middle femora slightly incrassated. Length of the body 7 lines.

a. Celebes. From Mr. Wallace's collection.

Australia.

- | | | | | | | |
|--|---|---|---|---|---|----------------|
| A. Fore lobe of the prothorax a little shorter than the hind lobe. | - | - | - | - | - | debilis. |
| B. Fore lobe rather shorter than the hind lobe. | - | - | - | - | - | semifasciatus. |

Div. 4.

Nierus, Stål, A. S. E. F. 4me Sér. iii. 41.

65. REDUVIUS EUMORPHUS.

Nierus eumorphus, Stål, A. S. E. F. 4me Sér. iii. 41.

Moreton Bay.

66. *REDUVIUS SEMIFASCIATUS*.

Fœm. *Niger, fusiformis, pilosus; caput prothoracis lobo antico multo longius; antennæ capite et prothorace ad unum longiores, prothoracis lobus anticus sulcatus, lobo postico brevior, scutellum apicem versus spiniforme subascendens; abdomen fulvum, venter piceus; genua fulva; alæ anticæ nigricantes, basi plagaque subcostali luteis, fascia strigaeque furcata albidis.*

Female. Black, fusiform, hairy, punctured, smooth and shining beneath. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennæ longer than the head and the prothorax together; first joint a little shorter than the ante-ocular head, second about five times as long as the first; third a little shorter than the second. Fore lobe of the prothorax distinctly furrowed, rather shorter than the hind lobe, fore angles not prominent. Hind lobe with the hind angles rounded and very slightly prominent. Scutellum spine-shaped and slightly ascending at the tip. Abdomen tawny, piceous beneath. Knees tawny. Four anterior tibiae furrowed beneath and slightly dilated at their tips. Fore wings blackish, luteous at the base, and with a luteous subcostal patch, which on its hind side joins an irregular whitish band, and has on its outer side a forked whitish streak. Hind wings white. Length of the body 10 lines.

a. Australia. Presented by the Entomological Club.

b. Australia. From Mr. Damel's collection.

67. *REDUVIUS DEBILIS*.

Mas. *Testaceus, longi-subfusiformis, caput nigrum, prothoracis lobo antico longius; antennæ setulosæ, corporis dimidio longiores, prothoracis lobus anticus nigricans, testaceo sexstrigatus, lobo postico paullo brevior; lobi postici discus nigricans; scutellum nigricans; pectus nigrum; venter carinatus, apice nigricans; connexivum nigricante maculatum; femora fusca bifasciata; alæ anticæ plaga membranaque fuscis.*

Male. Testaceous, elongate-subfusiform. Head black, subelliptical, rather longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennæ setulose, much longer than the head and the prothorax together; first joint a little longer than the ante-ocular head; second more than thrice as long as the first; third rather shorter than the second; fourth less than half as long as the first. Fore lobe of the prothorax blackish, a little shorter than the hind lobe, three oblique testaceous streaks on each side of the disk, fore angles prominent, slightly acute. Hind lobe with a blackish disk; hind angles rounded, not prominent. Scutellum blackish. Pectus black. Abdomen keeled beneath, blackish at the tip. Connexivum with blackish spots. Legs slender; femora with two brown bands near the tips. Corium testaceous, with a large elongated brown patch and with a brown tip. Membrane brown. Length of the body 6 lines.

a. Adelaide. From Mr. Stevens' collection.

Country unknown.

- A. Fore lobe of the prothorax as long as the hind lobe. - pubicollis.
 B. Fore lobe a little shorter than the hind lobe. - incommodus.
 C. Fore lobe much shorter than the hind lobe.
 a. Fore wings with a red costal stripe. - funereus.
 b. Fore wings with a broad luteous costal streak. - coleopteroides.

68. REDUVIUS FUNEREUS.

Fem. Ferrugineus, subfusiformis, pubescens; caput prothoracis lobo antico duplo longius, antennæ nigrae, pubescentes, capite et prothorace ad unum longiores; prothoracis lobus anticus lobo postico multo brevior; alæ anticae nigrae, vitta costali rufa.

Female. Ferruginous, subfusiform, pubescent, narrower in front. Head fusiform, twice as long as the fore lobe of the prothorax, ante-ocular part of the head as long as the post-ocular. Antennæ black, setaceous, pubescent, longer than the head and the prothorax together, second joint a little longer than the first; third much shorter than the second; fourth about half as long as the third. Fore lobe of the prothorax much shorter than the hind lobe; fore angles not prominent. Hind angles of the hind lobe rounded, slightly prominent. Fore tibiae slightly dilated at the tips. Fore wings black, with a red costal stripe. Length of the body 6 lines.

a. ———?

69. REDUVIUS COLEOPTEROIDES.

Mas. Fulvus, fusiformis, caput prothoracis lobo antico multo longius; antennæ nigrae, corpore breviores; prothoracis lobus anticus lobo postico multo brevior, pedes postici femoribus apices versus tibiis tarsisque nigris; alæ anticae nigrae, striga costali lata lutea.

Male. Tawny, fusiform, smooth, shining. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ black, much longer than the head and the prothorax together; first joint very short; second very long; third less than one-third as long as the second. Prothorax with a longitudinal furrow and with rounded and not prominent angles. Fore lobe much shorter than the hind lobe. Hind femora towards the tips, hind tibiae and hind tarsi black. Fore wings black, with a luteous broad costal streak beyond the middle. Length of the body 6 lines.

a. ———?

70. REDUVIUS PUBICOLLIS.

Mas. Fulvus, subfusiformis, subtus luteus; caput piceum, prothoracis lobo antico multo longius; antennæ filiformes, corpore breviores; prothoracis lobus anticus fusco trivittatus, lobo postico aequilongus; venter piceo bivittatus; alæ anticae subhyalinae.

Male. Tawny, subfusiform, luteous beneath. Head piceous, fusiform, much longer than the fore lobe of the prothorax; ante-ocular part

66. REDUVIUS SEMIFASCIATUS.

Fem. *Niger, fusiformis, pilosus, caput prothoracis lobo antico multo longius, antennae capite et prothorace ad unum longiores, prothoracis lobus anticus immixtus, lobo postico brevior, scutellum apicem versus spiniformiter subsaccatum, abdomen fulvum, venter piceus, genae fuscæ, alae antice nigricantes, basi plagaque subcostali luteis, fuscis atqueque fuscata albidis.*

Female. Black, fusiform, hairy, punctured, smooth and shining beneath. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennæ longer than the head and the prothorax together, first joint a little shorter than the ante-ocular head, second about five times as long as the first; third a little shorter than the second. Fore lobe of the prothorax distinctly furrowed, rather shorter than the hind lobe, fore angles not prominent. Hind lobe with the hind angles rounded and very slightly prominent. Scutellum spine-shaped and slightly ascending at the tip. Abdomen tawny, piceous beneath. Knees tawny. Four anterior tibiae furrowed beneath and slightly dilated at their tips. Fore wings blackish, luteous at the base, and with a luteous subcostal patch, which on its hind side joins an irregular whitish band, and has on its outer side a forked whitish streak. Hind wings white. Length of the body 10 lines.

a. Australia. Presented by the Entomological Club.

b. Australia. From Mr. Damel's collection.

67. REDUVIUS DEBILIS.

Mas. *Testaceus, longi-subfusiformis; caput nigrum, prothoracis lobo antico longius; antennae setulosæ, corporis dimidio longiores, prothoracis lobus anticus nigricans, testaceo sexstrigatus, lobo postico paullo brevior; lobi postici discus nigricans, scutellum nigricans, pectus nigrum, venter carinatus, apice nigricans; connexivum nigricante maculatum, femora fusca bifasciata; alae antice plagi membranæque fuscis.*

Male. Testaceous, elongate-subfusiform. Head black, subelliptical, rather longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennæ setulose, much longer than the head and the prothorax together; first joint a little longer than the ante-ocular head; second more than three as long as the first; third rather shorter than the second, fourth less than half as long as the first. Fore lobe of the prothorax blackish, a little shorter than the hind lobe; three oblique testaceous streaks on each side of the disk, fore angles prominent, slightly acute. Hind lobe with a blackish disk; hind angles rounded, not prominent. Scutellum blackish. Pectus black. Abdomen keeled beneath, blackish at the tip. Connexivum with blackish spots. Legs slender; femora with two brown bands near the tips. Corium testaceous, with a large elongated brown patch and with a brown tip. Membrane brown. Length of the body 6 lines.

a. Adelaide. From Mr. Stevens' collection.

ERRATA.

Page 7.

For Melanostesphus read Melanosterphus.

Page 21.

For lugubr read lugubris?

Page 75.

For AGYLTA read AGYLLA.

Page 97.

For 11. PIRATES FEMORALUS read 11. PIRATES FEMORATUS.

Page 102.

For 23. PIRATES DIMIDIATUS read 23. PIRATES DIGRAMMA.

Page 111.

For 54. PIRATES DIMIDIATUS read 54. PIRATES TRIPARS.

Page 133.

For 8. PROSTEMMA ALBIMACULA, &c., read

8. PROSTEMMA COLLARIS.

P. collaris, Mink, Stett. Ent. Zeit. xx. 429.

South France.

Page 145.

Div.

Gorpiis, Stal, Ofv. K. V. Ak. Forh. xvi. 377.

NABIS CRIBRATICOLLIS.

Gorpiis cribraticollis, Stal, Ofv. K. V. Ak. Forh. xvi. 377.

Ceylon.

Page 185.

For 15. REDUVIUS TENEBROSUS read 15. REDUVIUS TENEBRIFER.

much shorter than the post-scalar. Antennae filiform, much longer than the head and the prothorax together: first joint extremely short; second very much longer than the head: third less than half as long as the second; fourth much longer than the third. Fore lobe of the prothorax as long as the hind lobe, with three brown stripes; fore angles hardly prominent. Hind side with the hind angles rounded and not prominent. Scutellum equilaterally triangular. Abdomen beneath with two piceous stripes, which do not extend to the base. Legs elongate. Fore wings slightly hyaline. Length of the body 5 lines.

♂. ———? Presented by E. Doubleday, Esq.

71. *REPTUS INCONSPICUA*.

Form. *Rept. sublimiformis*; caput prothoracis lobo antice longius; prothoracis lobus anticus subulatus, valde convexus, lobo postico paulo brevior; scutellum speciosum versus spiniforme; venter sub-nervosus. *pennis* vix: alae antice fuscae, fuscis maculari ellide.

Formae. Black, sublimiform, narrower in front, shining beneath. Head elongate-linear, rather longer than the fore lobe of the prothorax; anterior part a little shorter than the post-scalar. Prothorax with rounded and not prominent angles. Fore lobe very convex, with slight furrow, a little shorter than the hind lobe. Scutellum ending in a horizontal spine. Abdomen slightly bevelled beneath. Legs red, thinly setose; furrow beneath the fore tibiae about one-third as long as the latter. Fore wings brown, with an antemedial oblique band of whitish spots. Length of the body 6 lines.

♂. ———?

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CATALOGUE
OF THE
SPECIMENS
OF
HEMIPTERA HETEROPTERA
IN
THE COLLECTION
OF THE
BRITISH MUSEUM.

PART VIII.

BY
FRANCIS WALKER.

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P R E F A C E.

THE object of the present Catalogue is to give a complete List of **all the genera and species of Hemiptera Heteroptera known to exist in the collections of European and American Entomologists.** The letters *a, b, c, &c.*, after the species, denote the specimens now **contained in the British Museum, followed by the *habitat* and the mode in which each of them was obtained; and the absence of these letters** indicates the species which are desiderata, and therefore desirable to be procured for the collection.

J. E. GRAY.

BRITISH MUSEUM,

August 1st, 1873.

CATALOGUE
OF
HEMIPTERA HETEROPTERA.

PART VIII.

Genus 6. OPINUS.

Tapeinus, *De Lap. Hem.* 81—*Opinus*, *De Lap. Hem. Suppl. Serv. Hist. Hem.* 338—*Tapinus*, *Burm. Handb. Ent.* ii. 236.

America.

Div. 1.

Thymbreus, *Stal, Ofv. K. V. Ak. Forh.* xvii. 185.

The two following species were inserted in Pt. VII., p. 132. as *Pachynomi*.

1. OPINUS PYRRHOPTERUS.

Opinus pyrrhopterus, *Stal, Rio Jan. Hem.* 72—*Thymbreus pyrrhopterus*, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 186.

Brazil.

2. OPINUS CROCINOPTERUS.

Thymbreus crocinopterus, *Stal, Stett. Ent. Zeit.* xxiii. 457.

Mexico.

3. OPINUS PYGMÆUS.

Fulvus, fere linearis; caput prothoracis lobo antico paullo longius; antennarum articulus 2us piceus, 3us 4usque testacei; prothoracis lobus anticus lobo postico vix brevior, antice bituberculatus; femora antica robusta, subtus spinulosa; alæ anticae nigra basi fulva.

Tawny, nearly linear. Head small, short, a little longer than the fore lobe of the prothorax; ante-ocular part a little shorter than the post-ocular. Antennæ longer than the head and the prothorax together; first joint as long as the ante-ocular head; second piceous, stout, twice as long as the first; third and fourth testaceous, very slender; third much shorter than the second; fourth as long as the third. Prothorax with a slight longitudinal furrow. Fore lobe nearly as long as the hind lobe, with a

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1990

3. Letter to the Editor

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AMERICAN SOCIETY OF PHYSIOLOGISTS. VOL. 1. NO. 1. 1911.**

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Jan.

Var. 2 previous. See Box Exam 44.

5. OTHER CONSIDERATIONS

Tapirus incompertus, H.-S. & Warr. *Ins.* viii 57, pl. 26, f. 82
Sminthus incompertus, S. & W.

Java.

9. OPINUS RUFUS.

rufus, *De Lap. Hém.* 78, 82. *Serv. Hist. Hem.* 340—*Tapirus rufus*, *Burm. Handb. Ent.* ii. 236.

a. Java. Presented by J. C. Bowring, Esq.

b, c. ———?

10. OPINUS GRATIOSUS.

Sminthus gratiosus, *Stal, A. S. E. F. 4me Sér.* iii. 55.
Tondano.

11. OPINUS LIMBATICOLLIS.

Sminthus limbaticollis, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 238.
Malacca.

Div. 3.

Lenæus, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 186.

12. OPINUS PYRRHUS.

Lenæus Pyrrhus, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 187.
Ceylon.

13. OPINUS PUNCTORIUS.

punctorius, *Stal, A. S. E. F. 4me Sér.* iii. 55.
Wagion.

14. OPINUS STIGMIFER.

Fœm. Rufus, depressus, subfusiformis, subtus planus testaceus; caput subellipticum, prothoracis lobo antico æquilongum; antennæ nigrae; prothoracis lobi æquilongi; abdomen apice nigricans, femora antica valida; membrana nigricans.

Female. Red, flat, smooth, shining, fusiform, testaceous beneath. Head subelliptical, as long as the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Antennæ black, longer than the head and the prothorax together; first joint very short; second about six times as long as the first; third longer than the second. Prothorax with a longitudinal furrow; fore lobe as long as the hind lobe. Abdomen blackish at the tip; its disk beneath and the pectus flat. Fore femora stout. Membrane blackish. Length of the body $4\frac{1}{2}$ lines.

a. Malacca. Presented by W. W. Saunders, Esq.

15. OPINUS RUGICOLLIS.

Mas et fœm. Rufus, longissime ovalis; caput prothoracis lobo antico longius; antennæ nigrae, corporis dimidio longiores; prothoracis lobus anticus rugulosus, lobo postico paullo brevior; femora antica crassa; sulci tibiæ antice brevissimi; membrana nigra.

Male and female. Red, smooth, shining, very elongate-oval. Head fusiform, somewhat longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennæ black, more than half as long as the body; first joint shorter than the ante-ocular head; second four times as long as the first; third shorter than the second. Fore lobe of the prothorax rugulose, a little shorter than the hind lobe; fore angles rounded, not prominent. Hind lobe with a longitudinal furrow; hind angles rounded, hardly prominent. Fore femora thick. Furrow beneath the fore tibiæ very short. Membrane black. Length of the body 6 lines.

a, b. Ceylon. Presented by Dr. Templeton.

16. *OPINUS SEMICOSTALIS.*

Mas et fœm. *Rufus, depressus, longissime ovalis; caput prothoracis lobo antico paullo longius; prothoracis lobus anticus lobo postico paullo brevior; scutellum apicem versus spiniforme; femora robusta; alæ anticae nigrae, basi et apud costam rufae.*

Male and female. Red, flat, smooth, shining, very elongate-oval. Head subfusiform, of the male with two short porrect spines in front, a little longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Antennæ with the first and second joints shorter, the second also thicker in the male than in the female. Prothorax with a longitudinal furrow; angles rounded, not prominent. Fore lobe a little shorter than the hind lobe. Scutellum ending in a short spine. Femora stout. Fore wings black, red at the base and along the costa of the corium. Length of the body 5 lines.

a. Cambodia. From M. Mouhot's collection.

b. Siam. From M. Mouhot's collection.

17. *OPINUS NIGRIPES.*

Mas. *Rufus, depressus, longi-subovalis; caput antice bispinosum, prothoracis lobo antico longius; antennæ nigrae; prothoracis lobi æquilongi; ventris macula apicalis nigra; pedes nigri, femoribus anticis subtus dentatis; alæ anticae nigrae, basi costaque dimidio basali rufis.*

Male. Red, smooth, flat, elongate, suboval. Head subfusiform, longer than the fore lobe of the prothorax, with two short stout porrect spines in front; ante-ocular part longer than the post-ocular. Antennæ black, as long as the prothorax, first joint shorter than the ante-ocular head; second stout, twice as long as the first; third shorter than the second; fourth as long as the third. Prothorax with a longitudinal furrow. Fore lobe as long as the hind lobe; fore angles prominent. Hind lobe with the hind angles rounded, not prominent. Scutellum triangular. Abdomen beneath with a black apical spot. Legs black; femora thick; fore femora dentate beneath. Fore wings black, red at the base and along half the length of the costa. Hind wings pellucid. Length of the body 5 lines.

a. Arn. From Mr. Wallace's collection.

Genus 7. PHONERGATES.

Phonergates, *Stal.*

A. Body shining. Prosternum in front with two slightly prominent tubercles.

1. *PHONERGATES BICOLORIPES*.

bicoloripes, *Stal*, *Ofv. K. Vet. Ak. Forh.* xii. 40; *Hem. Afr.* iii. 137.
Natal.

B. Body dull. Prosternum in front with two conical very prominent tubercles.

Clopophora, *Stal*, *Ofv. K. Vet. Ak. Forh.* xi. 261.

2. *PHONERGATES BASILICUS*.

Clopophora basileica, *Stal*, *Ofv. K. Vet. Ak. Forh.* xii. 40—*Phonergates basilicus*, *Stal*, *Hem. Afr.* iii. 137.
Natal.

3. *PHONERGATES LIMBIVENTRIS*.

Clopophora limbiventris, *Stal*, *Ofv. K. Vet. Ak. Forh.* xii. 40—*Phonergates limbiventris*, *Stal*, *Hem. Afr.* iii. 138.
Natal.

Genus 8. CERILOCUS.

Cerilocus, *Stal*, *Ofv. K. Vet. Ak. Forh.* xv. 443; *Hem. Afr.* iii. 135.

1. *CERILOCUS DOHRNI*.

Dohrni, *Stal*, *Ofv. K. Vet. Ak. Forh.* xv. 443; *Hem. Afr.* iii. 136.
Mozambique.

2. *CERILOCUS NERO*.

Nero, *Stal*, *Ofv. K. Vet. Ak. Forh.* xv. 143; *Hem. Afr.* iii. 136.
Calabar.

3. *CERILOCUS INERMIPES*.

inermipes, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 187; *Hem. Afr.* iii. 136.
Guinea.

4. *CERILOCUS VULNERANS*.

Cerilocus vulnerans, *Stal*, *A. S. E. F. 4me Sér.* iii. 54.
Sarawak.

5. *CERILOCUS EXSUGIENS*.

Cerilocus exsugiens, *Stal*, *A. S. E. F. 4me Sér.* iii. 54.
Wagiou.

GENUS 9. DURGANDA.

Durganda, *Serv. Hist. Hem.* 341.

1. DURGANDA RUBRA.

Opinus ruber, *Max. De Lap. Hem.* 75, 82—*Durganda rubra*, *Serv. Hist. Hem.* 341.

Java.

a. Philippine Isles. From Mr. Cuming's collection.

b. New Guinea. From Mr. Wallace's collection.

2. DURGANDA FUSCIPES.

fuscipes, *Stal, Ofv. K. Vet. Ak. Forh.* xxii. 237.

Manilla.

GENUS 10. TIARODES.

Tiarodes, *Burm. Handb. Ent.* ii. 237. *Serv. Hist. Hem.* 341.

1. TIARODES VERSICOLOR.

Cimbus versicolor, *De Lap. Hem.* 80—*Tiarodes versicolor*, *Burm. Handb. Ent.* ii. 237. *Serv. Hist. Hem.* 342. *H.-Sch. Wanz. Ins.* ix. 128, pl. 309, f. 949—*Ectrichodia versicolor*, *Blanch. Hist. Nat. Ins.* iii. 106.

Java.

a. Malacca. Presented by W. W. Saunders, Esq.

b. Sarawak. Presented by W. W. Saunders, Esq.

2. TIARODES ELEGANS.

elegans, *Stal, A. S. E. F. 4me Sér.* iii. 55.

Ceylon.

3. TIARODES PUSTULATUS.

puslulatus, *Stal, A. S. E. F. 4me Sér.* iii. 55.

a. Batchian. Presented by W. W. Saunders, Esq.

b. Batchian. From Mr. Wallace's collection.

4. TIARODES VARICOLOR.

varicolor, *Stal, A. S. E. F. 4me Sér.* iii. 55.

a, b. Philippine Isles. From Mr. Cuming's collection.

c, d. Java. Presented by J. C. Bowring, Esq.

e. Pulo Penang. Presented by J. C. Bowring, Esq.

f. Ceylon. Presented by Dr. Templeton.

5. TIARODES NIGRIROSTRIS.

nigrirostris, *Stal, Ofv. K. V. Ak. Forh.* xxi. 185.

a. Java. Presented by J. C. Bowring, Esq.

6. TIARODES JUNCTURUS.

Max. *Luteus, longissime ovalis, subtus planus; caput atrum, prothoracis lobo antico longius; antennæ capite paullo longiores; prothoracis lobus anticus lobo postico paullo brevior; lobus posticus, scutellum et abdominis dorsum atra; venter apicem versus nigro fasciatus; connexivum albido maculatum.*

Male. Luteous, very elongate-oval, smooth, shining. Head lanceolate, deep black above, longer than the fore lobe of the prothorax and hardly half as broad; ante-ocular part more than thrice as long as the post-ocular. Antennæ a little longer than the head; first and second joints thick, first a little shorter than the ante-ocular head; second more than twice as long as the first; third shorter than the first; fourth shorter than the third. Prothorax with a longitudinal excavation, which occupies the hind part of the fore lobe and the fore part of the hind lobe. Fore lobe a little shorter than the hind lobe, a prominent tubercle on each fore angle. Hind lobe, scutellum and dorsum of the abdomen deep black. Under side of the abdomen with variously-shaped black bands towards the tip; its disk and the pectus flat. Connexivum with whitish spots. Tibiæ, tarsi, tips of the four anterior tibiæ, apical half of the hind tibiæ and tarsi black. Fore wings deep black; a large round pure white spot near the base; veins cinereous-black. Length of the body 15 lines.

a. ———? Presented by W. W. Saunders, Esq.

Genus 11. SALYAVATA.

Salyavata, *Serv. Hist. Hem.* 349.

This genus alone forms the Salyavatidæ of Serville.

1. SALYAVATA VARIEGATA.

variegata, *Serv. Hist. Hem.* 350, pl. 6, f. 6.

Cayenne.

a. Para. Presented by G. Graham, Esq.

b. Amazon Region. Presented by W. W. Saunders, Esq.

Genus 12. PETALOCHIRUS.

Petalochirus, *Pal. Beauv. Ins.* 13—*Petalochirus*, *Burm. Handb. Ent.* ii. 246. *Serv. Hist. Hem.* 377. *Stål, Hem. Afr.* iii. 144.

Petalochirus and *Holotrichius* (which latter is here included in *Reduvius*) constitute the Holotrichidæ, *Serv. Hist. Hem.* 376.

Africa.

Div. 1.

A. Head with two spines behind the antennæ.

Platychiria, *H.-Sch. Wanz. Ins.* ix. 93.

1. PETALOCHIRUS UMBROSUS.

Platychiria umbrosa, *H.-Sch. Wanz. Ins.* ix. 126, pl. f. 945—*Petalochirus umbrosus*, *Stål, Hem. Afr.* iii. 145.

c—e. Natal. From M. Gueinzus' collection.

B. Head unarmed.**a. Scutellum with three spines.****2. PETALOCHEIRUS MURRAYI.**

Petalocheirus Murrayi, *Sgnt. Arch. Ent.* ii. 327—*Petalocheirus nigropustulatus*, *Stal, Ofv. K. V. Ak. Forh.* xv. 444—*Petalochirus Murrayi*, *Stal, Hem. Afr.* iii. 146.

Calabar.

b. Scutellum with one spine.**3. PETALOCHEIRUS VARIEGATUS.**

Petalocheirus variegatus, *Pal. Beauv. Ins.* 13. *Hem.* pl. 1, f. 1—*Reduvius variegatus*, *St. Farg. et Serv. Enc.* x. 274—*Petalochirus variegatus*, *Burm. Handb. Ent.* ii. 247. *Blanch. Hist. Nat. Ins.* iii. 108. *Serv. Hist. Hem.* 378. *Stal, Hem. Afr.* iii. 146.

Owara.

a. Congo. Presented by Sir J. Richardson.**b. West Africa.****4. PETALOCHEIRUS RUBIGINOSUS.**

Petalocheirus rubiginosus, *Pal. Beauv. Ins.* 14. *Hem.* pl. 1, f. 2—*Petalochirus rubiginosus*, *Burm. Handb. Ent.* ii. 247. *Blanch. Hist. Nat. Ins.* iii. 108. *Serv. Hist. Hem.* 378. *Stal, Hem. Afr.* iii. 146.

Owara. Gabon. Calabar.

South Asia and Eastern Isles.

| | |
|---|-------------|
| A. Head with two spines in front. - - - | singularis. |
| B. Head with no spines in front. | |
| a. Hind spines of the prothorax not directed forward. | |
| * Corium with a pale costal spot. - - - | munitus. |
| ** Corium with no pale costal spot. | |
| † Fore wings with no white point. | |
| ‡ Femora banded. - - - | Malayus. |
| ‡‡ Femora not banded. - - - | funestus. |
| †† Fore wings with a white point. - - - | apetalus. |
| b. Hind spines of the prothorax directed forward. - | australis. |

5. PETALOCHEIRUS APETALUS.

apetalus, *De Vuill. A. S. E. F. 4me Sér.* iv. 142, pl. 1, f. 10.

Malacca.

6. PETALOCHEIRUS AUSTRALIS.

australis, *De Vuill. A. S. E. F. 4me Sér.* iv. 142, pl. 1, f. 9.

Malacca.

a. Java. Presented by J. C. Bowring, Esq.

7. PETALOCHEIRUS MALAYUS.

Malayus, *Stat. Ofv. K. Vet. Ak. Forh.* xvi. 191.

Pulo Penang.

a. Hindostan. From the Entomological Society's collection.

b, c. Ceylon. Presented by Dr. Hooker.

d. Ceylon. Presented by Dr. Templeton.

e. Ceylon. From Mr. Gardener's collection.

f. Ceylon. Presented by W. W. Saunders, Esq.

8. PETALOCHEIRUS VICINUS.

vicinus, *Sgt. A. E. P. 4me Sér.* ii. 126.

Cochin China.

9. PETALOCHEIRUS BRACHIALIS.

Petalochairus brachialis, *Stat. Ofv. K. V. Ak. Forh.* xv. 444.

Ceylon.

10. PETALOCHEIRUS FUNESTUS.

Mas. Piceus, fusiformis; caput prothoracis lobo antico duplo longius; antennæ graciles; prothoracis lobus posticus lobo antico multo longior, angulis spiniformibus ascenduntibus; abdominis latera bispinosa; ventris discus rufus, nigro unilineatus, pedes ferruginei, longi, graciles, femoribus quatuor anterioribus fulvo unifasciatis, tibiis anticis apice dilatatis.

Male. Piceous, dull, fusiform. Head subfusiform, about twice as long as the fore lobe of the prothorax; ante-ocular part much shorter than the post-ocular. First and second joints of the rostrum about equal in length; third shorter. Antennæ slender; second joint very much longer than the first. Prothorax with a slight longitudinal furrow; fore lobe much shorter than the hind lobe, which has a long ascending spine on each hind angle. Scutellum with a thick short obtuse ascending spine. Abdomen with two oblique spines on each side before the middle; disk beneath red, with a black line. Legs ferruginous, long, slender, four anterior tibiae with a tawny band near the base; fore tibiae dilated towards the tips, furrowed beneath. Length of the body 9 lines.

a. Siam. Presented by W. W. Saunders, Esq.

b. Singapore. Presented by W. W. Saunders, Esq.

c. Sumatra. Presented by W. W. Saunders, Esq.

d. Cambodia. From M. Mouhot's collection.

11. PETALOCHEIRUS MUNITUS.

Mas. Piceus, fusiformis; prothorax quadrispinosus, lobo antico scabro; scutellum trispinosum; connexivum testaceo maculatum; femora quatuor posteriora unispinosa; tibiæ anticæ testaceo unifasciatae; tibiæ quatuor posteriores testaceo bifasciatae; alæ anticæ striga costali flava, macula discali atra.

Male. Piceous, fusiform. Head subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part much shorter than the post-ocular.

Antennæ shorter than the body; first joint much longer than the head; second much longer than the first; third shorter than the first. Fore lobe of the prothorax scabrous, with two erect tawny spines, much shorter than the hind lobe, which has a diverging moderately long spine on each side. Scutellum with three erect spines. Connexivum with testaceous spots. Four posterior femora with a spine beneath near the tip; fore tibiæ with a testaceous band, slightly dilated before the middle and at the tips; four posterior tibiæ with two testaceous bands. Fore wings with a yellow streak extending from the base of the costa and joining in the disk a deep black spot. Length of the body $6\frac{1}{2}$ lines.

a, b. Sarawak. Presented by W. W. Saunders, Esq.

12. PETALOCIRUS SINGULARIS.

Fam. Ferrugineus; caput nigrum, prothoracis lobo antico multo longius, antice bispinosum; antennæ nigrae, articulo 1o ferrugineo; prothorax quadrispinosus; scutellum unispinosum, connexivum spinosum, luteo plagiatum; venter fulvus, nigro trivittatus; pedes testacei, piceo fasciati, tibiis anticis dilatatis; alæ anticae piceae, testaceo conspersae.

Female. Ferruginous, fusiform. Head black, subelliptical, much longer than the fore lobe of the prothorax; ante-ocular part with an erect spine on each side, much shorter than the post-ocular. Antennæ black, shorter than the body; first joint ferruginous, much longer than the head; second much longer than the first. Prothorax with a longitudinal furrow. Fore lobe much shorter than the hind lobe, with oblique furrows on each side of the disk, and with a short spine on each side of the fore border. Hind lobe with a nearly erect spine on each side. Scutellum with an erect spine in the disk. Abdomen with luteous patches and with black spines along each side; under side tawny, with three black stripes. Legs testaceous, with piceous bands; fore tibiæ dilated and rounded above along most of the length. Fore wings piceous, mottled with dull testaceous. Length of the body 8 lines.

a. Cambodia. From M. Mouhot's collection.

b. Cambodia. Presented by W. W. Saunders, Esq.

c. Siam. Presented by W. W. Saunders, Esq.

d. Burmah. Presented by W. W. Saunders, Esq.

Country unknown.

13. PETALOCIRUS GAZELLA.

Gazella, Costa, Ann. Mus. Zool. Nap. ii. 141.

——?

Genus 13. SPHÆRIDOPS.

Fam. Sphæridopidæ, Serv. Hist. Hem. 381—Genus Sphæridops, Serv. Hist. Hem. 381.

1. SPHÆRIDOPS AMÆNUS.

Reduvius amœnus, St. Farg. et Serv. Enc. Méth. x. 275—Sphæridops amœnus, Serv. Hist. Hem. 382, pl. 8, f. 1.

Brazil.

2. SPHERIDOPS RUOSICOLLIS.

rugosicollis, *Stal, Rio Jan. Hem.* 60.

Bio Janeiro.

3. SPHERIDOPS INERMIS.

inermis, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xv. 438.

Brazil.

Genus 14. CETHERA.

Cethera, *Serv. Hist. Hem.* 348. *Stal, Hem. Afr.* iii. 135.

This and the following genus are the representatives of the Macropidae, *Serv. Hist. Hem.* 346.

South America.

1. CETHERA ANNULIPES.

annulipes, *Stal, Ofv. K. V. Ak. Forh.* xi.

Columbia.

Africa.

2. CETHERA MUSIVA.

Macrops musivus, *Germ. Silb. Rev. Ent.* v. 128—*Cethera variata*, *Serv. Hist. Hem.* 348, pl. 12, f. 4—*Cethera musiva*, *Stal, Hem. Afr.* iii. 135—*Cethera diadema*, *Synt. A. S. E. F. 3me Sér.* viii. 962.

Senegal. Sierra Leone. Madagascar.

a. Natal. Presented by W. W. Saunders, Esq.

b. Natal. From M. Guenzius' collection.

Genus 15. MACROPS.

Macrophthalmus, *De Lapp. Hem.* 11—*Macrops*, *Burm. Handb. Ent.* ii. 233. *Blanch. Hist. Nat. Ins.* iii. 103. *Serv. Hist. Hem.* 347.

1. MACROPS PALLENS.

Macrophthalmus pallens, *De Lap. Hem.* 11, pl. 51, f. 3—*Macrops pallens*, *Burm. Handb. Ent.* ii. 233. *Blanch. Hist. Nat. Ins.* iii. 103.

a. Cayenne. Presented by W. W. Saunders, Esq.

b. Osajaca. From M. Salle's collection.

c. Orizaba. From M. Salle's collection.

d. Columbia. From M. Goudot's collection.

e. Venezuela. From Mr. Birschell's collection.

f. Para. From Mr. Bates' collection.

g. Santarem. From Mr. Bates' collection.

h. Brazil. From Mr. Walker's collection.

i, j. Brazil. Presented by F. Walker, Esq.

2. *MACROPS HISTRIONICUS*.*histrionicus*, *Stal, Stett. Ent. Zeit.* xxiii. 456.

Mexico.

Genus 16. *CONORHINUS*.*Conorhinus*, *De Lap. Hem.* 11, 117. *Burm. Handb. Ent.* ii. 245. *Serv. Hist. Hem.* 383.This and the two following genera are included in the *Conorhinidæ*, *Serv. Hist. Hem.* xlviii. 383.

The name *Conorhinidæ* is here considered as annulled, and the genus *Conorhinus* is included in the *Reduvidæ*. It is subdivided by Prof. Stal as follows:—

- | | | |
|--|-------|--------------------|
| A. Ocelli none. Antennæ a little longer than the head. Scutellum spinose on each side near the base. Femora fusiform, somewhat incrassated. | - - - | <i>BELMINUS.</i> |
| B. Ocelli distinct. Antennæ almost twice as long as the head. Scutellum unarmed. Femora cylindrical, not or slightly incrassated. | | |
| a. Fore disk of prothorax spinose; hind angles spinose or acutely prominent. | - - - | <i>ERATYRUS.</i> |
| b. Fore disk of prothorax unarmed; hind angles rounded or obtusely prominent. | | |
| * Antennæ inserted near the tip of the head, nearly thrice as far from the eyes as from the tip. Connexivum very narrow beneath. Femora unarmed. | - - - | <i>RHOENICA.</i> |
| ** Antennæ more remote from the tip of the head. Connexivum broad. Femora with little spines beneath. | | |
| † Antennæ remote from the eyes. | | |
| ‡ Body smooth. Prothorax not or hardly straightened; hind angles not prominent. | - - - | <i>CONORHINUS.</i> |
| ‡‡ Body hairy. Prothorax distinctly straightened; hind angles somewhat prominent. | - - - | <i>MECOPS.</i> |
| †† Antennæ inserted just before the eyes. | - - - | <i>LAMUS.</i> |

The following synopsis of the species is translated from Prof. Stal's arrangement:—

- | | |
|---|-------------------|
| A. Second joint of the rostrum longer than the third. | |
| a. First joint of the rostrum longer or about equal in length to the head in front of the antennæ. | |
| * Eyes very prominent. Ocelli on somewhat high tubercles. First joint of the rostrum a little longer than the third joint. Antennæ seated in the middle of the sides of the ante-ocular part of the head; first joint not extending to the tip of the head. Antenniferous tubercles of the head with a little spine. Fore angles of the prothorax with a stout rather long spine. | <i>maculatus.</i> |

- ** Ocelli not seated on a tubercle or on a very low one.
- † Antenniferous tubercles unarmed at the tips on the outer side.
- ‡ Prothorax and prostethium granulated. Bands of the margin and lateral border of the abdomen testaceous. - - - - - *rubrofasciatus.*
- ‡ Prothorax and prostethium not granulated.
- § Border of the abdomen black or brown; segments bordered with testaceous or reddish testaceous narrowly on the fore border, broadly on the hind border. Clavus, the extreme base excepted, brown or black.
- X Rostrum rather thick, wholly hairy; second joint longer by one-third than the first joint; first much longer than the third. Head rather thick. Tubercles of the apical angles of the prothorax obtuse, much elevated. - - - *lenticularius.*
- XX Rostrum slender; first and third joints thinly and shortly hairy; second twice longer than the first. Tubercles of the apical angles of the prothorax conical, rather acute. - - - *lateralis.*
- §§ Fore borders of the marginal segments of the abdomen brown, or black, or black spotted.
- X Black. Hind lobe of prothorax and abdomen brownish testaceous, the border of the latter narrowly yellowish testaceous. Fore wings dark brown; inner border and membrane paler. Apical spine of the scutellum slightly reflexed. First joint of the rostrum a little more than half as long as the ante-ocular part of the head; second longer than the first by a little more than half, third slightly hairy, shorter by about half than the first. - - - *recurvus.*
- XX Border of the abdomen with black spots or bands.
- o Hind borders of the marginal abdominal segments yellow or yellowish testaceous.
- Border of the abdomen broadly yellowish or yellowish testaceous; on the base of each segment a black spot separate from the disk. - - - *dimidiatus, maculipennis.*
- Border of the abdomen black; each segment with a rather narrow yellowish testaceous hind border. - - - - - *Gerstaeckeri.*
- oo Border of the abdomen like the disk in colour, with red or yellowish testaceous spots or bands, which do not join the fore borders nor the hind borders of the segments. Second joint of the rostrum more than twice as long as the first.
- Rostrum somewhat slender, thinly hairy. Body red-spotted. - - - - - *rubroniger.*
- Rostrum somewhat stout, with thicker and longer hairs. Body with yellowish testaceous or lurid yellow spots. - - - - - *Renggeri, H.-Sch.*

— Intersegmental suture with a distinct spine at
the tip of the segment.

A. First joint of the tarsus distinctly shorter
shorter than the joint in front of the segment.

B. Second and third joints of the tarsus equal in
length.

Div. 1.

Beliniana, *Stal, Berl. Ent. Zeit.* ii. 111, 112.

1. *CONORHINUS RUPESTRIS*.

Beliniana rupestris, *Stal, Berl. Ent. Zeit.* iii. 102, pl. 6, f. 1.

Columbia.

Div. 2.

Eratyrus, *Stal, Berl. Ent. Zeit.* ii. 111, 103.

2. *CONORHINUS MACULATUS*.

Eratyrus maculatus, *Stal, Berl. Ent. Zeit.* ii. 103.

Demerara.

a. Amazon Region. From Mr. Bates' collection.

3. *CONORHINUS CUSPIDATUS*.

Eratyrus cuspidatus, *Stal, Berl. Ent. Zeit.* iii. 103.

Columbia.

Div. 3.

Rhodnius, *Stal, Berl. Ent. Zeit.* iii. 102, 104.

4. *CONORHINUS PROLIXUS*.

Rhodnius proluxus, *Stal, Berl. Ent. Zeit.* iii. 104, pl. 6, f. 3.

La Guayra.

5. *CONORHINUS NASUTUS*.

Rhodnius nasutus, *Stal, Berl. Ent. Zeit.* iii. 105.

Siará.

Div. 4.

Meccus, *Stal, Berl. Ent. Zeit.* iii. 102, 105.

6. *CONORHINUS PHYLLOSOMA*.

Conorhinus phyllosoma, *Burm. Handb. Ent.* ii. 216—*Meccus phyllosoma*,
Stal, Berl. Ent. Zeit. iii. 105.

a, b. Mexico. Presented by J. Taylor, Esq.

c. Mexico. Presented by Mrs. Rouquette.

7. CONORHINUS MEXICANUS.

Conorhinus Mexicanus, H.-Sch. Wanz. Ins. viii. 71, pl. 272, f. 839, 840—
Meccus Mexicanus, Stal, Berl. Ent. Zeit. iii. 105.
 Mexico.

Div. 5.

Conorhinus, Stal, Berl. Ent. Zeit. iii. 102, 106.

- A. First joint of the rostrum longer than the apical joint. - Sp. 1—9.
 B. First joint of the rostrum shorter than the apical joint or
 about as long as it. - - - - Sp. 10—14.

8. CONORHINUS RUBROFASCIATUS.

——, Stoll, Pan. 82, pl. 20, f. 140—*Cimex rubrofasciatus*, Deg.
 Ins. ii. 349, pl. 35, f. 12—*Reduvius gigas*, Fabr. Syst. Ent. 729;
 Sp. Ins. ii. 371; Mant. Ins. ii. 309; Ent. Syst. iv. 193; Syst. Rhyn.
 267. Wolff, Icon Cim. 119, pl. 12, f. 113—*Conorhinus gigas*, Burm.
 Har. & b. Ent. ii. 246. Blanch, Hist. Nat. Ins. iii. 108. H.-Sch. Wanz.
 Ins. viii. 72, pl. 272, f. 841, 842—*Conorhinus rubrofasciatus*, Serv.
 Hist. Hem. 384. Stal, Berl. Ent. Zeit. iii. 106; Hem. Fabr. i. 123—
Conorhinus Stalii, Sgnt. A. S. E. F. 3me Sér. viii. 947.

Brazil. Sierra Leone. Madagascar. Ceylon.

a. Missouri. Presented by F. Walker, Esq.

b. Jamaica.

c. St John's Bluff, East Florida. Presented by E. Doubleday, Esq.

d. St Domingo.

e. Mauritius. From Dr. Beke's collection.

f. g. Seychelles. Presented by Prof. E. P. Wright.

h. Hindostan. From the Entomological Society's collection.

i. North Bengal. From Lieut. Campbell's collection.

l. m. China. Presented by G. T. Lay, Esq.

n. Philippine Isles. From Mr. Cuming's collection.

9. CONORHINUS LECTICULARIUS.

lecticularius, Stal, Berl. Ent. Zeit. iii. 107.

Carolina. Hindostan.

10. CONORHINUS LATERALIS.

lateralis, Stal, Berl. Ent. Zeit. iii. 107.

Georgia.

11. CONORHINUS SORDIDUS.

sordidus, Stal, Berl. Ent. Zeit. iii. 108.

Brazil.

12. CONORHINUS MACULATUS.

——, Stoll, Pan. 82, pl. 20, f. 140—*Conorhinus maculatus*, Stal, Berl.
 Ent. Zeit. iii. 108.

British Guiana.

13. CONORHINUS VITTICEPS.

vitticeps, *Stal, Berl. Ent. Zeit.* iii. 109.

Rio Janeiro.

14. CONORHINUS DIMIDIATUS.

Reduvius dimidiatus, *Latr. Humboldt, Rec. Obs.* 223, xi. pl. 15, f. 11—
Conorhinus dimidiatus, *Stal, Berl. Ent. Zeit.* iii. 110, pl. 6, f. 2.

Costa Rica. Veragua. Guayaquil.

a. Oajaca. From M. Sallé's collection.

b. Honduras. From Mr. Dyson's collection.

c. ———? Presented by Sir E. Belcher.

15. CONORHINUS MACULIPENNIS.

maculipennis, *Stal, Berl. Ent. Zeit.* iii. 111.

Mexico.

16. CONORHINUS GERSTAECKERI.

Gerstaeckeri, *Stal, Berl. Ent. Zeit.* iii. 111.

Texas.

17. CONORHINUS RENGGERI.

Renggeri, *H.-Sch. Wanz. Ins.* viii. 71, pl. 271, f. 838. *Stal, Berl. Ent. Zeit.* iii. 112. *sextuberculatus*, *Blanch. Faun. Chil.* 218.

Chili. Paraguay.

18. CONORHINUS VARIEGATUS.

variegatus, *Stal, Berl. Ent. Zeit.* iii. 113.

La Guayra.

19. CONORHINUS RUBROVARIUS.

rubrovarius, *Blanch. Orb. Voy. Amer. Merid. Ins.* 219, pl. 29. f. 7; *Stal, Berl. Ent. Zeit.* iii. 113—*phyllosoma*, *H.-Sch. Wanz. Ins.* viii. 70, pl. 271, f. 837.

Buenos Ayres. Maldonado.

20. CONORHINUS RUBRONIGER.

rubroniger, *Stal, Berl. Ent. Zeit.* xiii. 114.

South Brazil.

21. CONORHINUS CIRCUMMACULATUS.

circummaculatus, *Stal, Berl. Ent. Zeit.* iii. 115.

Buenos Ayres.

Div. 6.

Lamus, *Stal, Berl. Ent. Zeit.* iii. 102, 115.

22. CONORHINUS MEGISTUS.

Conorhinus megistus, *Burm. Handb. Ent.* ii. 246—*Lamius megistus*, *Stål, Berl. Ent. Zeit.* iii. 115.

Brazil.

23. CONORHINUS GENICULATUS.

Reduvius geniculatus, *Latr. Humboldt, Rec. Obs.* 225, xii. pl. 15, f. 12—*Conorhinus lutulentus*, *Erichs. Schomb. Reise, Brit. Guiana*, iii.—*Lamius geniculatus*, *Stål, Berl. Ent. Zeit.* iii. 116, pl. 6, f. 4.

a. South America.

24. CONORHINUS SANGUISUGA.

sanguisuga, *Le Conte, Proc. Acad. Nat. Sci. Phil.* vii. 404.

Georgia.

25. CONORHINUS CORTICALIS.

Fœm. *Cervinus*, subtus ferrugineus; caput prothorace brevius; antennæ nigrae; prothorax antice bidentatus et bituberculatus, postice nigro-fasciatus; scutelli spina apicalis nigra, cylindrica; abdominis dorsum luteum; connexivum nigro maculatum; pedes nigri, femoribus apice luteis; alæ anticae cinerea, fusco conspersæ.

Female. Fusiform, fawn-colour, ferruginous beneath. Head nearly linear, rather shorter than the prothorax; ante-ocular part much longer than the post-ocular. Antennæ black; first joint extending to the tip of the head; second more than thrice as long as the first. Prothorax with two ridges, which diverge hindward; fore lobe about half as long as the hind lobe, with a tubercle on each side of the disk, and with a tooth on each side of the fore border; hind lobe with rounded angles, and with a dentate black band on the hind border. Scutellum ending in a black cylindrical spine. Abdomen luteous above. Connexivum with black spots. Legs black; tips of femora luteous. Fore wings cinereous, with numerous pale brown speckles. Hind wings pale cinereous. Length of the body 12—13½ lines.

It is one of the division *Lamius*, but differs widely from *C. megistus* and from *C. geniculatus* in the markings.

a. Archidona. From Mr. Stevens' collection.

b. Venezuela. From Mr. Dyson's collection.

c. Venezuela. From Mr. Birschell's collection.

26. CONORHINUS LIGNARIUS.

Mas. *Testaceus*, longi-subfusiformis, subtus ferrugineus; antennæ nigrae; prothorax nigro quinque-vittatus, antice piceus flavo tuberculatus; scutellum piceum, luteo univittatum, connexivum luteum, nigro maculatum; pedes picei, femoribus basi genubusque luteis; femoribus quatuor anterioribus unidentatis; alæ anticae nigro venosæ.

Male. Testaceous, elongate-subfusiform, narrower towards the head, ferruginous beneath. Head rather shorter than the prothorax; ante-ocular part more than twice as long as the post-ocular. Antennæ black;

first joint nearly as long as the ante-ocular head; second nearly twice as long as the first. Prothorax piceous towards the fore border, with five black stripes, of which the outer pair are angular and the inner pair are interrupted; no suture between the lobes; some pale yellow tubercles near the fore border, and a pale yellow obtuse spine on each side of the front of the pectus; hind angles rounded, rather prominent. Scutellum piceous, elongate-triangular, with a luteous stripe. Connexivum luteous, with quadrate black spots. Legs piceous; femora luteous at the base, four anterior femora with a tooth beneath near the tip; knees luteous. Fore wings extending to the tip of the abdomen; veins black. Length of the body 13 lines.

This species has some affinity to *Eratyrus* in the rudimentary spines of the fore lobe of the prothorax.

a. British Guiana. Presented by Sir R. Schomburgk.

27. CONORHINUS LIMOSUS.

Max et form. *Piceus, fusiformis, subtus ferrugineus; caput testaceo univittatum; antennarum articuli 1us et 2us fulvi, hic apice niger, prothorax testaceo septem vittatus, scutellum vittis duabus spinaque apicali testaceis; abdominis discus dorsalis rufescens; tibiæ luteæ, fusco bifasciatae, alæ anticae fuscae, venarum marginibus guttusque exterioribus cinereis.*

Male and female. Piceous, fusiform, excepting the head, ferruginous beneath. Head cylindrical, with a testaceous stripe, a little longer than the prothorax; ante-ocular part thrice as long as the post-ocular. First joint of the antennæ tawny, very short, second tawny, black towards the tip, full four times as long as the first; third more than half as long as the second. Prothorax with seven testaceous stripes, of which the inner pair are on ridges; fore lobe about half as long as the hind lobe, with acute and slightly prominent fore angles; hind lobe with rounded and not prominent angles. Scutellum with two testaceous stripes, ending in a short cylindrical testaceous spine. Abdomen mostly reddish in the disk above. Tibiæ luteous, with two brown bands. Fore wings brown; borders of the veins and some dots in the areolet of the membrane cinereous. Hind wings cinereous. Length of the body $9\frac{1}{2}$ —10 lines.

It belongs to the division *Rhodnius*, but the antennæ are four times as far from the eyes as from the tip of the head.

a. Columbia. From M. Goudot's collection.

b. Archidona. From Mr. Stevens' collection.

28. CONORHINUS ARENARIUS.

Max. *Cinereo-fuscus, longi-subfusiformis; caput prothorax paullo brevius; antennarum articulus 1us subclavatus, setulosus; prothorax sulcatus, scutellum trisulcatum, apice tuberculatum; segmentorum abdominalium anguli posterius subdilatati; pedes nigro conspersi, femoribus anticis incrassatis; corium striga costali cinerea.*

Male. Cinereous-brown, elongate-subfusiform. Head cylindrical, a little shorter than the prothorax; ante-ocular part twice as long as the

post-ocular. Antennæ much longer than the head, first joint setulose, subclavate; second nearly twice as long as the first; third and fourth short. Prothorax irregularly furrowed, with rounded and not prominent angles; fore lobe much longer than the hind lobe. Scutellum with three furrows, tuberculate at the tip. Fore pectus with a porrect spine on each side. Hind angles of the abdominal segments rounded and slightly dilated. Legs speckled with black; fore femora incrassated. Corium with a cinereous costal streak. Length of the body 8 lines.

a, b. Scutatum. From Mr. Bates' collection.

29. CONORHINUS PORRIGENS.

Fam. *Niger*, *subfusiformis*; caput prothoracis lobo postico æquilongum; lobi antici discus bipinatus et bituberculatus; lobus posticus postice rufo bittatus et bimaculatus; scutellum sulcatum, apice rufum et tuberculatum, connexivum luteo maculatum; corium luteo venosum et strigatum.

Female. Black, shining, subfusiform. Head as long as the hind lobe of the prothorax; ante-ocular part full twice as long as the post-ocular. Antennæ longer than the head and the prothorax together; first joint extending to the tip of the head; second more than twice as long as the first; third shorter than the second. Fore lobe of the prothorax hardly half as long as the hind lobe, with two spines in front, with one on each side of the disc, and with a tubercle on each side hindward. Hind lobe with a red stripe on the hind part of each of the two longitudinal ridges, and with a red spot on each of the rounded and slightly-prominent hind angles. Scutellum with a longitudinal furrow, and with a red tubercle on the tip. Connexivum with transverse luteous spots. Corium with luteous veins, and with two luteous subcostal streaks. Length of the body 13 lines.

Much allied to *C. rubrorarius*, but it does not sufficiently agree with the description, nor with the figure of that species, to be identified with it.

b. Pernambuco. Presented by — Spooner, Esq.

30. CONORHINUS DIMINUTUS.

Fam. *Niger*, *pyriformis*; caput prothoraci æquilongum; antennæ capite longiores, articulo 4o albido; prothorax scaber, bicarinatus; connexivum luteo maculatum; pedes breviusculi, sat validi, tarsi ferruginei; ala antica abdominis apicem non attingentes, puncto apud corii apicem albida.

Female. Black, dull, pear-shaped. Head lanceolate, as long as the prothorax, ante-ocular part full twice as long as the post-ocular. Rostrum slender. Antennæ longer than the head; first joint less than one-third as long as the ante-ocular head; second nearly twice as long as the first; third as long as the first; fourth whitish, as long as the third. Prothorax scabrous, with two ridges, which diverge hindward, fore lobe longer than the hind lobe, with a tubercle on each side of the fore border; hind lobe obtusely angular and slightly prominent on each side. Connexivum with transverse luteous spots. Legs rather short and stout; tarsi ferruginous.

Fore wings not extending to the tip of the abdomen, with a whitish point on the tip of the corium. Length of the body 5 lines.

Closely allied to *C. circummaculatus*, but differing from it in the markings of the connexivum.

a. Venezuela. From Mr. Dyson's collection.

Genus 17. OPISTOPLATYS.

Opistoplatys, *Westw. Journ. Zool. Soc.* v. 447—*Decius*, *Stal, Eug. Res.* 263.

Div. 1.

1. OPISTOPLATYS AUSTRALASIÆ.

Australasiæ, *Westw. Journ. Zool. Soc.* v. 447, pl. 22, f. 9—*Cimbus? terreus*, *Stal, Ofv. K. V. Ak. Forh.* xi. 238—*Decius terreus*, *Stal, Eug. Res.* Ins. 263.

a. Moreton Bay. From Mr. Diggles' collection.

2. OPISTOPLATYS INDICAS.

Mas et fœm. *Fuscus*; *alæ anticæ obscuriores, nigro venosæ*.

Male and female. Brown. Fore wings dark brown; veins black. Length of the body 3—4 lines.

Smaller than *O. Australasiæ*. Head in front longer and more acute. First joint of the antennæ not longer than the head. Areolets of the fore wings closed: they are represented as open in the figure of *O. Australasiæ*. In the British Museum register it is stated to be *O. Australasiæ*, on Prof. Westwood's authority:

a, b. Hindostan. From Mr. Stevens' collection.

c. Hindostan.

d. North Hindostan. From Mr. Warwick's collection.

e. North Bengal. From Lieut. Campbell's collection.

f. Ceylon. Presented by Dr. Thwaites.

g. Ceylon. From Mr. Gardener's collection.

Div. 2.

Tribelocephala, *Stal, Ofv. K. V. Ak. Forh.* x. 263—*Tribelocephalida* (*Opisthoplatys et Tribelocephala*), *Stal, Stett. Ent. Zeit.* xxiii. 462; *Hem. Afr.* iii. 160.

3. OPISTOPLATYS BOSCHJESMANUS.

Tribelocephala Boschjesmana, *Stal, Ofv. K. V. Ak. Forh.* xii. 45; *Hem. Afr.* iii. 160.

Natal.

Genus 18. LOPHOCEPHALA.

Lophocephala, *De Lap. Hem.* 12. *Burm. Handb. Ent.* ii. 244. *Serv. Hist. Hem.* 385.

1. LOPHOCEPHALA GUERINI.

Guerini, *De Lap. Hem.* 12. *Burm. Handb. Ent.* ii. 244. *Blanch. Hist. Nat. Ins.* iii. 109. *Serv. Hist. Hem.* 386.

Ceylon.

a. Bombay. Presented by Sir W. Elliot.

2. LOPHOCEPHALA INCERTA.

incerta, *Serv. Hist. Hem.* 386. Guerini, *var.* ?

Country unknown.

3. LOPHOCEPHALA VICINA.

vicina, *Sgt. A. S. E. F. 3me Sér.* viii. 968.

Madagascar.

Div. 2.

Phonolibes, *Stal, Ofv. K. V. Ak. Forh.* 238; *Hem. Afr.* iii. 96.

4. LOPHOCEPHALA VENUSTA.

Phonolibes venustus, *Stal, Ofv. K. V. Ak. Forh.* xi. 238; xiii. 61, pl. 1, f. 3. *Hem. Afr.* iii. 96.

Sierra Leone.

Div. 3.

Teges, *Stal, A. S. E. F. 4me Sér.* iii. 43.

5. LOPHOCEPHALA ATROPICTA.

Teges atropicta, *Stal, A. S. E. F. 4me Sér.* iii. 43.

a, b. Australia. From Mr. Damel's collection.

6. LOPHOCEPHALA PULLATA.

Teges pullata, *Stal, A. S. E. F. 4me Sér.* iii. 43.

Java.

Genus 19. NALATA.

Nalata, *Stal, Rio Jan. Hem.* 79.

This genus resembles the *Stenopodidæ* in having no furrow beneath the fore tibiæ; in other characters it agrees with the *Reduviidæ*.

1. NALATA ASPERA.

aspera, *Stal, Rio Jan. Hem.* 79.

Rio Janeiro.

2. NALATA FUSCIPENNIS.

fuscipennis, *Stal, Rio Jan. Hem.* 80.

Rio Janeiro.

3. NALATA PLEBEIA.

plebeia, *Stal, Rio Jan. Hem.* 80.

Rio Janeiro.

4. NALATA FUSCICOLLIS.

fuscicollis, *Stal, Rio Jan. Hem.* 80.

Rio Janeiro.

5. NALATA SETULOSA.

setulosa, *Stal, Stett. Ent. Zeit.* xxiii. 456.

Mexico.

6. NALATA RUDIS.

rudis, *Stal, Stett. Ent. Zeit.* xxiii. 457.

Mexico.

The two following genera differ much from the Reduviidæ generally, but their characters are hardly sufficient for the establishment of distinct families.

Genus 20. EPIRODERA.

Epirodera, *Westw. Trans. Ent. Soc. Lond.* iv. 247.

1. EPIRODERA NOTATA.

notata, *Westw. Trans. Ent. Soc. Lond.* iv. 248, pl. 18, f. 5.

a. ———?

2. EPIRODERA ALTERNATA.

Epidodera alternata, *Sgnt. A. S. E. F. 3me Sér.* viii. 959—Epirodera alternata, *Stal. Hem. Afr.* iii. 143.

Madagascar.

3. EPIRODERA ANNULIPES.

Epidodera annulipes, *Sgnt. A. S. E. F. 3me Sér.* viii. 959, pl. 14, f. 6—Epirodera annulipes, *Stal, Hem. Afr.* iii. 143.

Madagascar.

4. EPIRODERA PALLIDIROSTRIS.

pallidirostris, *Stal, A. S. E. F. 4me Sér.* iii. 44.

Mysol.

Genus 21. ENICOCEPHALUS.

Enicocephalus, *Westw. Trans. Ent. Soc. Lond.* ii. 22—Systelloderus, *Blanch. Gay Hist. Fis. Chile*, vii. 224—Oncylocotis, *Stal, Ofv. K. V. Ak. Forh.* xii. 44—Enicocephalidæ et Enicocephalus, *Stal, Rio Jan. Hem.* 81—Henicocephalida et Henicocephalus, *Stal, Hem. Afr.* iii. 165, 166.

West Indies.

1. ENICOCEPHALUS FLAVICOLLIS.

flavicollis, *Westw. Trans. Ent. Soc. Lond.* ii. 23, pl. 2, f. 8.
Isle St. Vincent.

2. ENICOCEPHALUS RHYPARUS.

rhyparus, *Stal, Rio Jan. Hem.* 82.

3. ENICOCEPHALUS SPURCULUS.

spurculus, *Stal, Rio Jan. Hem.* 81.
Rio Janeiro.

4. ENICOCEPHALUS BASALIS.

basalis, *Westw. Trans. Ent. Soc. Lond.* ii. 23,
Bengal.

5. ENICOCEPHALUS FULVESCENS.

fulvescens, *Westw. Trans. Ent. Soc. Lond.* ii. 23—nasalis, *Hope, Trans. Ent. Soc. Lond.* ii. 56.
Gum Animé.

6. ENICOCEPHALUS NASUTUS.

Oncyclocotis nasutus, *Stal, Ofv. K. V. Ak. Forh.* xii. 44—Henicocephalus nasutus, *Stal, Hem. Afr.* iii. 166.
Natal.

7. ENICOCEPHALUS MOSCHATUS.

Systelloderus moschatus, *Blanch. Faun. Chil.* 224, pl. 2, f. 14. *Sgnt. A. S. E. F. 4me Sér.* iii. 578.
Chili.

Fam. 4. STENOPODIDÆ.

Stenopodidæ, *Serv. Hist. Hem.* xlviii. 386—Stenopodida, *Stal, Hem. Afr.* iii. 148.

Genus 1. ONCOCEPHALUS.

Oncocephalus, *Klug, Symb. Phys.* ii. *Burm. Handb. Ent.* ii. 242. *Serv. Hist. Hem.* 386. *Stal, Hem. Afr.* iii. 156.

Europe.

1. ONCOCEPHALUS SQUALIDUS.

Reduvius squalidus, *Rossi, Faun. Etr.* ii. 404, Sp. 1364—Oncocephalus squalidus, *Burm. Handb. Ent.* ii. 242. *Fieb. Eur. Hem.* 152.

a, b. South France.

c. South France. Presented by W. W. Saunders, Esq.

d. South Africa. Presented by R. Trimen, Esq.

e. South Africa. Presented by Sir A. Smith.

f. North Bengal. From Lieut Campbell's collection.

g. Celebes. Presented by W. W. Saunders, Esq.

2. ONCOCEPHALUS NOTATUS.

Oncocephalus notatus, *Klug. Symb. Phys.* pl. 19, f. 1. *Fieb. Eur. Hem.* 152—*Reduvius plumicornis*, *Germ. Ahr. Faun. Eur.* 5, 24—*Oncocephalus squalidus*, *H.-Sch. Wanz. Ins.* viii. 93, pl. 280, f. 861, 862—*Reduvius comatus*, *Kol. Mel. Ent.* vi. 39.

South Europe.

3. ONCOCEPHALUS THORACICUS.

thoracicus, *Fieb. Eur. Hem.* 152.

Turkey. Syria.

4. ONCOCEPHALUS SUBAPTERUS.

subapterus, *Garbiglietti, Bull. Soc. Ent. Ital.* i. 196.

North Italy.

West Indies and South America.

5. ONCOCEPHALUS DESICCATUS.

desiccatus, *Serv. Hist. Hem.* 387—*Nitornus desiccatus*, *Stål, Berl. Ent. Zeit.* x. 167.

Cayenne.

Var.? *Fœm. Cinereo-fuscus, longi-pyriformis; caput prothoracis lobo antico longius; prothorax bicarinatus, lobo antico oblique sulcato; scutellum apice compressum; abdomen alis anticis multo latius, subtus carinatum; pedes longiusculi, sat graciles, femoribus anticis incrassatis, tibiis quatuor anterioribus fulvis fusco bifasciatis, tibiis anticis subarcuatis.*

Female. Cinereous-brown, dull, elongate pear-shaped. Head rather longer than the fore lobe of the prothorax; ante-ocular part full twice as long as the post-ocular. First joint of the antennæ much shorter than the ante-ocular head; second a little longer than the ante-ocular head. Prothorax with two ridges, which diverge on the hind lobe; angles rounded, not prominent; fore lobe rather longer than the hind lobe, with oblique furrows on each side. Scutellum compressed at the tip. Abdomen rounded, and extending much beyond the fore wings on each side, keeled beneath. Legs rather long and slender; fore femora incrassated, serrated beneath; four anterior tibiæ tawny, with two brown bands; fore tibiæ slightly curved. Fore wings extending nearly to the tip of the abdomen. Length of the body 8—10 lines.

a—c. Ega. From Mr. Bates' collection.

6. ONCOCEPHALUS VENTRALIS.

Mas. Testaceus, gracilis, postice sublatescens, subtus piceo bivittatus; caput prothorace multo brevius; rostrum nigrum, basi flavofasciatum; antennæ capite et prothorace ad unum breviores; prothorax piceo univittatus; pedes graciles, femoribus anticis valde incrassatis subtus dentatis.

Male. Testaceous, slender, widening slightly from the tip of the head to the middle of the abdomen. Head much shorter than the prothorax; ante-ocular part twice as long as the post-ocular. Rostrum black, with a yellow band near the base. Antennæ shorter than the head and the prothorax together; first joint hardly more than half as long as the ante-ocular head; second nearly twice as long as the first, third and fourth short. Prothorax and scutellum with a piceous stripe. Prothorax with rounded and not prominent angles; fore lobe twice as long as the hind lobe. Scutellum short, triangular. Pectus and under side of the abdomen with two piceous stripes. Connexivum not covered by the fore wings. Legs slender; fore femora much incrassated, dentate beneath. Length of the body 7 lines.

a. St. Domingo. Presented by W. W. Saunders, Esq.

b. St. Domingo. From Mr. Tweedie's collection.

Africa.

The African species are grouped by Prof. Stal as follows:—

- A. Side borders of the prothorax with no little tubercles or spines.
 - a. First joint of the rostrum shorter than the second—*obsoletus*, *impictipennis*.
 - b. First and second joints of the rostrum equal in length, or the latter just longer than the former—*cancellatus*, *sordidus*.
- B. Side borders of the prothorax armed nearly in the middle with a little tubercle or spine. First and second joints of the rostrum equal in length—*annulipes*, *subspinosa*.

7. ONCOCEPHALUS OBSOLETUS.

Reduvius (*Oncocephalus*) *obsoletus*, *Klug, Symb. Phys. Ins.* i. pl. 19, f. 2
—*Oncocephalus obsoletus*, *Stal, Hem. Afr.* iii. 156.

Nubia.

8. ONCOCEPHALUS IMPICTIPENNIS.

impictipennis, *Stal, Hem. Afr.* iii. 156.

Nubia.

9. ONCOCEPHALUS CANCELLATUS.

cancellatus, *Stal, Ofv. K. V. Ak. Forh.* xii. 44; *Hem. Afr.* iii. 157.

Natal.

10. ONCOCEPHALUS SORDIDUS.

sordidus, *Stal, Ofv. K. V. Ak. Forh.* xii. 44; *Hem. Afr.* iii. 157.

Natal.

11. ONCOCEPHALUS ANNULIPES.

annulipes, *Stal, Ofv. K. V. Ak. Forh.* xii. 44; *Hem. Afr.* iii. 158.

Natal.

12. ONCOCEPHALUS SUBSPINOSUS.

Sastrapada subspinosa, *Serv. Hist. Hem.* 388, pl. 7, f. 9—*Oncocephalus subspinosus*, *Stal, Hem. Afr.* iii. 159.

Senegal.

Div. 2.

Argolis, *Stal, Stett. Ent. Zeit.* xx. 146; *Hem. Afr.* iii. 153.

13. ONCOCEPHALUS CALABARENSIS.

Oncocephalus calabarensis, *Stal, Ofv. K. V. Ak. Forh.* xv. 448—*Argolis calabarensis*, *Stal, Hem. Afr.* iii. 153.

Calabar.

Div. 3.

14. ONCOCEPHALUS ARMIPES.

Stenopoda armipes, *Germ. Silb. Rev. Ent.* v.—*Oncocephalus armipes*, *H.-Sch. Wanz. Ins.* ix. 125, pl. 309, f. 950.

Cape.

South Asia and Eastern Isles.

15. ONCOCEPHALUS DILUTUS.

dilutus, *Stal, Eug. Resa*, 263.

Manilla.

16. ONCOCEPHALUS CINGALENSIS.

Fœm. Ferrugineus, gracilis, antice sublatescens; caput prothoracis lobo antico longius; scutellum apice nigricans; pedes fulvi, graciles, femoribus anticis incrassatis subtus serratis, tibiis quatuor anterioribus fusco trifasciatis; alæ anticæ abdominis apicem non attingentes.

Female. Ferruginous, slender, slightly tapering from the head to near the tip of the abdomen. Head longer than the fore lobe of the prothorax; ante-ocular part thrice as long as the post-ocular. Antennæ setaceous; first joint much shorter than the ante-ocular head; second rather longer than the ante-ocular head. Fore lobe of the prothorax rather longer than the hind lobe; fore angles slightly prominent and acute. Hind lobe with rounded angles. Scutellum blackish at the tip. Legs tawny, slender; fore femora incrassated, serrated beneath; four anterior tibiæ with three brown bands, those on the latter indistinct. Fore wings not extending to the tip of the abdomen. Length of the body $8\frac{1}{2}$ lines.

a. Ceylon. From Mr. Thwaites' collection.

17. ONCOPHEPHALUS NABOIDES.

Mas. Testaceus, longi-fusiformis, prothoracis lobo antico vix longius; antennæ nigræ, pubescentes, caput et prothorace ad unum paullo longiores; prothorax vitta abbreviata nigra; scutellum apice compressum; pectus antice bipinorum; venter corinatus; pedes graciles, longiusculi, femoribus anticis incrassatis subtilis serratis, femoribus quatuor posterioribus apice piceis, tibiis quatuor anterioribus fusco trifasciatis; alæ anticæ abdominis apicem attingentes.

Male. Testaceous, elongate-fusiform. Head fusiform, hardly longer than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ black, pubescent, a little longer than the head and the prothorax together, first joint as long as the ante-ocular head, second very much longer than the first; third and fourth together a little longer than the first. Prothorax with an abbreviated black stripe, and with slightly acute and not prominent angles; fore lobe much longer than the hind lobe. Scutellum compressed at the tip. A short spine on each side of the fore border of the pectus. Abdomen keeled beneath. Legs slender, rather long; fore femora incrassated, serrated beneath; four posterior femora piceous at the tips; four anterior tibiæ with three brown bands; hind tibiæ pubescent. Fore wings extending to the tip of the abdomen. Length of the body 6 lines.

a. Ceylon. Presented by G. H. K. Thwaites, Esq.

Genus 2. SASTRAPADA.

Sastrapada, *Serv. Hist. Hem.* 388. *Stal, Hem. Afr.* iii. 153.

1. SASTRAPADA FLAVA.

flava, *Serv. Hist. Hem.* 388.

Java.

2. SASTRAPADA INCERTA.

incerta, *Synt. A. S. E. P.* 3me Sér. viii. 968. *Stal, Hem. Afr.* iii. 152.

Madagascar. Bourbon.

Div. 2.

Harpagochares, *Stal, Ofv. K. V. Ak. Forh.* xv. 248; xvi. 380; *Hem. Afr.* iii. 151.

3. SASTRAPADA SPINULICEPS.

Harpagochares spinuliceps, *Stal, Ofv. K. V. Ak. Forh.* xv. 248; *Hem. Afr.* iii. 151.

Sierra Leone.

4. *SATRAPHA BREVICORNIS*

Satrapha brevicornis. *Ann. N. H. F.* 4th Ser. 32. 57.
Ann.

5. *SATRAPHA DEPRESSA*

Satrapha depressa. *Ann. Dr. K. T. M. F.* 181.
Philipp. Ann.

6. *SATRAPHA FUSCIPENNIS*

Satrapha fuscipennis. *Ann. Dr. K. T. M. F.* 181.
Ann.

Dr. K.

7. *SATRAPHA SPINICORNIS*

Ann. Trans. Acad. Sci. Am. 1896. *Ann. Dr. K. T. M. F.* 181.
Ann.

Ann. Trans. Acad. Sci. Am. 1896. *Ann. Dr. K. T. M. F.* 181.
Ann.

Ann. Trans. Acad. Sci. Am. 1896. *Ann. Dr. K. T. M. F.* 181.

Dr. K.

8. *SATRAPHA LONGICORNIS*

Ann. Trans. Acad. Sci. Am. 1896. *Ann. Dr. K. T. M. F.* 181.
Ann.

Ann. Trans. Acad. Sci. Am. 1896. *Ann. Dr. K. T. M. F.* 181.
Ann.

Ann. Trans. Acad. Sci. Am. 1896. *Ann. Dr. K. T. M. F.* 181.

9. *SASTRAPODA FILIFORMIS*.

acillima, fere linearis; caput prothoracis lobo antico longius; ruciles, femoribus anticis subincrassatis subtus spinosis; alae abdominis apicem non attingentes.

us, very slender, nearly linear. Head longer than the fore thorax; ante-ocular part a little longer than the post-ocular. The prothorax shorter than the hind lobe. Scutellum elongate. Legs slender; fore femora slightly incrassated, with spines. Wings not extending to the tip of the abdomen. Length of

egion. From Mr. Bates' collection.

Genus 3. *CANTHESANCUS*.

Serv. Hist. Hem. 389.

1. *CANTHESANCUS TRIMACULATUS*.

Serv. Hist. Hem. 389, pl. 7, f. 20.

2. *CANTHESANCUS HELLUO*.

l. S. E. F. 4me Sér. iii. 44.

3. *CANTHESANCUS GULO*.

S. E. F. 4me Sér. iii. 44.

4. *CANTHESANCUS LURCO*.

S. E. F. 4me Sér. iii. 45.

5. *CANTHESANCUS PRÆDO*.

l. S. E. F. 4me Sér. iii. 45.

es.

Div. 2.

Stal, Ofv. K. Vet. Ak. Forh. xvi. 377; Hem. Afr. iii. 159.

6. *CANTHESANCUS FALLENI*.

falleni, Stal, Ofv. K. V. Ak. Forh. xvi. 378.

7. *CANTHESANCUS QUINQUESPINOSUS*.

quinosus, Fabr. Syst. Rhyn. 261—Stenopoda lateralis, Germ. v. Ent. v. 132—Thodelmus quinquespinosus, Stal, Hem. Afr. Hem. Fabr. i. 119—Thodelmus lateralis, Stal, Ofv. K. V. . xvi. 378.

4. *SASTRAPADA OBSCURICRUR.*

Harpagochares obscuricrus, *Stal, A. S. E. F. 4me Sér. iv. 57.*
Natal.

5. *SASTRAPADA CONCOLOR.*

Harpagochares concolor, *Stal, Ofv. K. V. Ak. Forh. xvi. 381.*
Philippine Isles.

6. *SASTRAPADA BARENSPRUNGI.*

Harpagochares Bärensprungi, *Stal, Ofv. K. V. Ak. Forh. xvi. 381.*
Sicily.

Div. 3.

7. *SASTRAPADA BIPUNCTATA.*

Fœm. *Testacea, gracillima, fere linearis; caput prothorace paullo brevius; antennæ capite et prothorace ad unum multo longiores; pedes longi, graciles, femoribus anticis subincrassatis subtus spinulosis, alæ anticae abdominis apicem non attingentes.*

Female. Testaceous, very slender, nearly linear. Head a little shorter than the prothorax; ante-ocular part much longer than the post-ocular. Antennæ much longer than the head and the prothorax together; first joint a little shorter than the head; second longer than the first. Prothorax with slightly obtuse and not prominent angles; sides darker; fore lobe much longer than the hind lobe, a porrect spine on each side of the fore pectus. Scutellum short. Legs long, slender; fore femora slightly incrassated, spinulose beneath. Fore wings extending to three-fourths of the length of the abdomen. Hind wings whitish. Length of the body 9 lines.

a. Ceylon. Presented by Dr. Hooker.

Div. 4.

8. *SASTRAPADA LONGICOLLIS.*

Mas. *Testacea, gracillima, fere linearis; caput prothoracis lobo antico brevius; prothorax substriatus; abdomen apice quadratum bispinosum; pedes longi, graciles, femoribus anticis incrassatis subtus serratis; alæ antica nigro uniguttata, abdominis apicem non attingentes.*

Male. Testaceous, very slender, nearly linear. Head rather shorter than the fore lobe of the prothorax; ante-ocular part rather longer than the post-ocular. Rostrum curved, stout, as long as the head. Prothorax very slightly striated, with rounded and not prominent angles; fore lobe twice as long as the hind lobe. Scutellum elongate-triangular. Abdomen quadrate and with a broad obtuse spine on each side at the tip. Legs long, slender; fore femora incrassated, serrated beneath. Fore wings extending to nearly three-fourths of the length of the abdomen, with a black dot in the disk of the membrane. Length of the body 9 lines.

a. Amazon Region. From Mr. Bates' collection.

9. SAETRAPODA FILIFORMIS.

Testacea, gracillima, fere linearis; caput prothoracis lobo antico longius; pedes graciles, femoribus anticis subincrassatis subtilius spinosis; ala antica abdominis apicem non attingentes.

Testaceous, very slender, nearly linear. Head longer than the fore lobe of the prothorax; ante-ocular part a little longer than the post-ocular. Fore lobe of the prothorax shorter than the hind lobe. Scutellum elongate-triangular. Legs slender; fore femora slightly incrassated, with spines beneath. Fore wings not extending to the tip of the abdomen. Length of the body $6\frac{1}{2}$ lines.

a. Amazon Region. From Mr. Bates' collection.

Genus 3. CANTHESANCUS.

Canthesancus, Serv. *Hist. Hem.* 389.

1. CANTHESANCUS TRIMACULATUS.

trimaculatus, Serv. *Hist. Hem.* 389, pl. 7, f. 20.

Java.

2. CANTHESANCUS HELLUO.

helluo, Stal, *A. S. E. F. 4me Sér.* iii. 44.

Ceylon.

3. CANTHESANCUS GULO.

gulo, Stal, *A. S. E. F. 4me Sér.* iii. 44.

Pulo Penang.

4. CANTHESANCUS LURCO.

lurco, Stal, *A. S. E. F. 4me Sér.* iii. 45.

Hong Kong.

5. CANTHESANCUS PRÆDO.

prædo, Stal, *A. S. E. F. 4me Sér.* iii. 45.

Philippine Isles.

Div. 2.

Thodelmus, Stal, *Ofv. K. Vet. Ak. Forh.* xvi. 377; *Hem. Afr.* iii. 159.

6. CANTHESANCUS FALLENI.

Thodelmus Falleni, Stal, *Ofv. K. V. Ak. Forh.* xvi. 378.

Ceylon.

7. CANTHESANCUS QUINQUESPINOSUS.

Gerris quinquespinosus, Fabr. *Syst. Rhyn.* 261—*Stenopoda lateralis*, Germ. *Silb. Rev. Ent.* v. 132—*Thodelmus quinquespinosus*, Stal, *Hem. Afr.* iii. 159; *Hem. Fabr.* i. 119—*Thodelmus lateralis*, Stal, *Ofv. K. V. Ak. Forh.* xvi. 378.

Cape.

Genus 4. STENOPODA.

Stenopoda, *De Lap. Hem.* 26. *Burm. Handb. Ent.* ii. 243. *Serv. Hist. Hem.* 390.

Stenopoda, as regards the American species, is divided by Prof. Stal into the following genera:—

- A. First joint of the rostrum longer than the second.
 a. Eyes seated behind the middle of the head.
 * Antennæ seated at the tip of the head. - - DIADITUS.
 ** Antennæ seated behind the tip of the head - - STENOPODA.
 b. Eyes equally distant from the base and the tip of the head. - - PNOHIRMUS.
 B. First joint of the rostrum not longer than the second.
 a. Legs long, hind femora extending beyond the abdomen. NARVESUS.
 b. Legs rather short; hind femora shorter than the abdomen.
 * Border of the abdomen lobate. - - NITORNUS.
 ** Border of the abdomen entire, simple. - - PODOIRMUS.

1. STENOPODA CINEREA.

Cinerea, *De Lap. Hem.* 26, pl. 52, f. 2. *Burm. Handb. Ent.* ii. 244. *Blanch. Hist. Nat. Ins.* iii. 107. *Serv. Hist. Hem.* 390, pl. 7, f. 8.

North America? Cuba.

- a. Rio Janeiro. Presented by J. P. G. Smith, Esq.
 b. Amazon Region. From Mr. Bates' collection.

2. STENOPODA CULICIFORMIS.

Cimex culiciformis, *Fabr. Syst. Ent.* 728; *Sp. Ins.* ii. 376; *Mant. Ins.* ii. 308—*Gerris culiciformis*, *Fabr. Ent. Syst.* iv. 189; *Syst. Rhyn.* 262. *Stenopoda cinerea*, *De Lap. Ess. Hém.* 26, pl. 52, 2—*Stenopoda culiciformis*, *Stal, Hem. Afr.* i. 129.

- a, b. St. Domingo. From Mr. Tweedie's collection.
 c. St. Domingo. From Mr. Hearne's collection.
 d. ———?

3. STENOPODA SUBINERMIS.

subinermis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 384.
 Columbia.

4. STENOPODA CANA.

cinerea, *H.-Sch. Wanz. Ins.* viii. 91, pl. 279, f. 859—*cana*, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 384.

Brazil.

Div. 2.

Pnohirmus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 384.

5. STENOPODA VIOLENTA.

Pnohirmus violentus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 384.
 Rio Janeiro.

Div. 3.

Diaditus, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 383.

6. STENOPODA SEMICOLON.

Diaditus semicolon, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 383.
Monte Video.

Div. 4.

Narvesus, *Stal*, *Ofv. K. V. Ak. Forh.* xvi. 384.

7. STENOPODA CAROLINENSIS.

Narvesus Carolinensis, *Stal*, *Ofv. K. V. Ak. Forh.* xvi. 386.
Carolina.

Div. 5.

Nitornus, *Stal*, *Ofv. K. V. Ak. Forh.* xvi. 386.

8. STENOPODA LOBULATA.

Nitornus lobulatus, *Stal*, *Ofv. K. V. Ak. Forh.* xvi. 385.
Pernambuco.

Div. 6.

Podormus, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 385.

9. STENOPODA GRANULATA.

Podormus granulatus, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 386.
Brazil.

10. STENOPODA HYALINIPENNIS.

Testacea, gracilis, fere filiformis; caput cylindricum, prothorace multo brevius et angustius; prothorax late unisulcatus; pedes pilosi; alæ anticæ diaphanae, costæ testacea.

Testaceous, slender, nearly linear. Head cylindrical, much shorter and narrower than the prothorax; ante-ocular part much shorter than the post-ocular. Antennæ long, slender. Prothorax with a broad longitudinal furrow and with rounded and not prominent angles; fore lobe much longer than the hind lobe. Scutellum elongate-triangular. Legs long, slender, pilose. Wings pellucid; costæ of the fore wings testaceous from the base to three-fourths of the length. Length of the body 9 lines.

♂. Brazil. Presented by W. W. Saunders, Esq.

Africa.

Div. 1.

Caenus, *Stal*, *Hem. Afr.* iii. 163.

11. STENOPODA CAPENSIS.

Stenopoda capensis, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 44—*Caenus capensis*,
Stal, *Hem. Afr.* iii. 154.

Natal.

Div. 2.

Bæbius, *Stal, Hem. Afr.* iii. 154.

12. STENOPODA CAFFRA.

Stenopoda caffra, *Stal, Ofv. K. V. Ak. Forh.* xii. 44—*Bæbius caffer*, *Stal, Hem. Afr.* iii. 155.

Natal.

Div. 3.

13. STENOPODA GRACILIPES.

gracilipes, *Frme. Arch. Ent.* ii. 328.

Gabon.

South Asia.

14. STENOPODA HASTATA.

Fœm. Ferruginea, gracillima, subtus lutea, postice latescens; caput cylindricum, prothorace paullo longius, postice nigro univittatum; antennæ luteæ, capite et prothorace ad unum longiores, articulo 1o apice nigro; scutelli spina pallide flava, gracilis, oblique ascendens; venter carinatus; pedes pallide flavi, gracillimi, femoribus quatuor anterioribus apices versus rufescentibus, posticis apices versus fuscis; alæ anticæ linea costali albida.

Female. Fawn-colour, very slender, luteous beneath, tapering from the tip of the abdomen to the head. Head cylindrical, a little longer than the prothorax; ante-ocular part more than twice as long as the post-ocular, which has a black stripe. Antennæ luteous, longer than the head and the prothorax together; first joint longer than the ante-ocular head, black at the tip; second a little longer than the first. Prothorax widening hindward, with a slight longitudinal furrow and with a short spine on each angle; fore lobe nearly as long as the hind lobe, from which it is hardly distinguishable. Scutellum ending in a slender obliquely ascending pale yellow spine. Abdomen keeled beneath. Legs pale yellow, long, slender; four anterior femora reddish towards the tips; hind femora brown towards the tips. Fore wings extending nearly to the tip of the abdomen; a whitish costal line extending from the base to the middle. Length of the body 11 lines.

a. Hindostan. From Mr. Gardener's collection.

Australia.

Div. 4.

Theleocoris, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xvi. 364; *Novara Hem.* 144.

15. STENOPODA ASPERA.

Theleocoris asper, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xvi. 365; *Novara Hem.* 146, f. 37.

Sydney.

Genus 5. PYGOLAMPIS.

Pygolampis, *Germ. Faun. Eur.* 8. *Burm. Handb. Ent.* ii. 243. *Serv. Hist. Hem.* 391.

A. Head with a series of tubercles or obtuse minute spines on each side beneath before the eyes.

a. Body above thickly silky. - - - - - *sericea*.

b. Body above thinly silky.

* First joint of the antennæ hardly as long as the head. Middle lobe of the head very distinctly elongated. - *pallipes*.

** First joint of the antennæ longer than the head.

† Middle lobe of the head slightly prominent. Prothorax about one-third longer than its breadth at the base. - *fuscipennis*.

†† Middle lobe of the head not prominent. Prothorax hardly longer by half than its breadth. - - - - - *spurca*.

B. Head unarmed beneath before the eyes.

a. First joint of the antennæ longer by almost half than the head. - - - - - *foeda*.

b. First joint of the antennæ about twice as long as the head. - - - - - *prolixa*.

Europe and West Asia.

1. PYGOLAMPIS PALLIPES.

———, *Geoffr. Ins.* i. 438. *Schaff. Icon. Rat.* pl. 11, f. 15—17
Cimex bifurcatus, *Linn. ed. Gmel.* iv. 2181—*Gerris pallipes*, *Fabr. Ent. Syst.* iv. 189: *Syst. Rhyn.* 262—*Acanthia denticulata*, *Rossi, Faun. Etr.* 1284—*Emesa denticollis*, *Fall. Hem. Succ.* 161—*Pygolampis bifurcata*, *Germ. Faun. Eur.* 8, 22—*Ochetopus spinicollis*, *Hahn, Wanz. Ins.* i. 177, pl. 28, f. 92—*Pygolampis pallipes*, *Burm. Handb. Ent.* ii. 243. *Blanch. Hist. Nat. Ins.* iii. 108. *Serv. Hist. Hem.* 391—*Pygolampis bifurcata*, *Fieb. Eur. Hem.* 151. *Dougl. and Scott, Hem.* 539.

a. Europe.

2. PYGOLAMPIS PROLIXA.

prolixa, *Stal, Ofv. K. V. Ak. Forh.* xvi. 379.

South Russia.

Div. 2.

Ctenocnemis, *Fieb. Eur. Hem.* 150.

3. PYGOLAMPIS FLAVESCENS.

Ctenocnemis flavescens, *Fieb. Eur. Hem.* 150.

Sicily.

Div. 3.

Centromelus, *Fieb. Eur. Hem.* 151.

4. PYGOLAMPIS SPINOSISSIMA.

Pygolampis spinosissima, *Kol. Mel. Ent.* vi. 51—*Centromelus spinosissimus*, *Fieb. Eur. Hem.* 151.

Caucasus.

Div. 4.

Pnirontis, *Stal, Ofv. K. V. Ak. Forh.* xvi. 381.

The species of *Pygolampis* which Prof. Stal includes in *Pnirontis* are thus distributed by him:—

- | | |
|---|------------------------|
| <p>A. Apical angles of the fifth abdominal segment prolonged and forming a slightly rounded lobe; sixth segment in the male slightly widened hindward, truncate at the tip; apical angles forming a rounded lobe, which is scarcely narrowed towards the tip. <i>Pnirontis</i>, <i>Stal.</i></p> | scutellaria. |
| <p>B. Abdomen distinctly narrowed hindward at the tip in both sexes; angles of the fifth segment not prolonged; last dorsal segment acutely notched at the tip in the male, bilobed, the lobes perceptibly narrowed towards the tip. <i>Centromelus</i>, <i>Fieb.</i></p> | |
| <p>a. Fore tibiæ armed on the inner side in front with three or four, or at least with two, very long teeth, unarmed on the outer side, with a tooth beneath near the tip.</p> | |
| <p>* First joint of the antennæ unarmed beneath, about as long as the head. Head having in front between the antennæ two slender contiguous spines, which extend somewhat beyond the antenniferous tubercles.</p> | languida. |
| <p>** First joint of the antennæ spiny beneath.</p> | |
| <p>† Connexivum unspotted. Head with one spine between the antennæ.</p> | |
| <p>‡ First joint of the antennæ (with the apical process) longer than the head and hardly shorter than the prothorax, about equal (without the apical process) in length to the head. Head distinctly shorter than the prothorax; cheeks very little prolonged, slightly prominent in front of the antenniferous tubercles.</p> | tabida. |
| <p>‡‡ First joint of the antennæ (with the apical process) shorter by about one-third than the head. Head a little shorter than the prothorax; cheeks much prolonged.</p> | pallescent. infirm. |
| <p>†† Connexivum spotted.</p> | |
| <p>b. Fore tibiæ with three long spines on the inner side, with two on the outer side.</p> | serripes. |

5. PYGOLAMPIS LANGUIDA.

Pnirontis languida, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 382; *Hem. Fabr.* i. 129.

Carolina. Texas. Brazil.

a, b. St. John's Bluff, East Florida. Presented by E. Doubleday, Esq.

c. St. John's Bluff, East Florida. Presented by W. W. Saunders, Esq.

6. PYGOLAMPIS INFIRMA.

Pnirontis infirma, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 382.

Carolina.

7. PYGOLAMPIS SCUTELLARIS.

Pnirontis scutellaris, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 382; *Hem. Afr.* i. 128.

Brazil.

8. PYGOLAMPIS TABIDA.

Pnirontis tabida, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 382; *Hem. Fabr.* i. 128.

Brazil.

Div. 2.

9. PYGOLAMPIS FUSCIPENNIS.

fuscipennis, *Stal, Ofv. K. V. Ak. Forh.* xvi. 379.

Carolina.

10. PYGOLAMPIS FOEDA.

foeda, *Stal, Ofv. K. V. Ak. Forh.* xvi. 379.

Ceylon.

11. PYGOLAMPIS SPURCA.

spurca, *Stal, Ofv. K. V. Ak. Forh.* xvi. 379.

Surinam.

12. PYGOLAMPIS SERICEA.

sericea, *Stal, Ofv. K. V. Ak. Forh.* xvi. 380.

Pennsylvania.

13. PYGOLAMPIS SERRIPES.

Gerris serripes, *Fabr. Syst. Rhyn.* 261—*Pnirontis* (*Centromelus*) *serripes*,
Stal, Hem. Fabr. i. 129.

South America.

14. PYGOLAMPIS STALI.

Centromelus Stali, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xv. 437; *Novara*
Hem. 147.

Brazil.

Div. 3.

Gnathobleda, *Stal, Osv. K. V. Ak. Forh.* xvi. 380.

15. *Pygolampis fraudulenta*.

Gnathobleda fraudulenta, *Stal, Osv. K. V. Ak. Forh.* xvi. 380.
Surinam.

16. *Pygolampis litigiosa*.

Gnathobleda litigiosa, *Stal, Stett. Ent. Zeit.* xxiii. 442.
Mexico.

Mauritius.

17. *Pygolampis innotata*.

Mas. Testacea, gracillima, fere linearis; caput cylindricum, prothorace brevius; antennæ capite et prothorace ad unum longiores; pectus anticis spinis duabus porrectis armatum; abdomen apice truncatum; femora antica subincrassata; alæ anticae abdominis apicem non attingentes, membrana diaphana.

Male. Testaceous, very slender, nearly linear. Head cylindrical, rather shorter than the prothorax; ante-ocular part much longer than the post-ocular. Antennæ longer than the head and the prothorax together; first joint a little longer than the ante-ocular head; second longer than the first. Prothorax with slightly acute and hardly prominent angles; fore lobe much longer than the hind lobe. Scutellum lanceolate. Fore pectus with a porrect spine on each side. Abdomen truncated at the tip. Legs long, slender; fore femora slightly incrassated. Fore wings not extending to the tip of the abdomen; membrane and hind wings pellucid. Length of the body 8 lines.

a. Mauritius. From Dr. Beke's collection.

South Asia.

18. *Pygolampis unicolor*.

Mas. Testaceus, gracillima, fere linearis; caput cylindricum, prothorace brevius; antennæ capite et prothorace ad unum multo longiores; prothorax quadricarinatus; pectus antice spinis duabus porrectis armatum; abdomen apice fuscens truncatum; femora quatuor posteriora apice fuscescentia; tibiæ anticae fusco bifasciatae; alæ anticae pallide cinereæ, margine strigisque obscurioribus, vitta costali testacea.

Male. Testaceous, very slender, nearly linear. Head cylindrical, somewhat shorter than the prothorax; ante-ocular part as long as the post-ocular. Antennæ much longer than the head and the prothorax together; first joint longer than the head; second longer than the first. Prothorax with four slight ridges, and with rounded and not prominent angles; fore lobe a little longer than the hind lobe. Scutellum short.

Fore pectus with a porrect spine on each side. Abdomen brownish and truncated at the tip. Legs long, slender; four posterior femora brownish at the tips; fore tibiae with two brown bands near the base. Wings pale cinereous, not extending to the tip of the abdomen. Fore wings bordered and slightly streaked with dark cinereous; a testaceous costal stripe extending from the base to three-fourths of the length. Length of the body 7 lines.

a. North Bengal. From Lieut. Campbell's collection.

19. PYGOLAMPIS CONCOLOR.

Mas. *Picea, gracillima, fere linearis; caput prothorace viz brevius; prothorax quinque sulcatus; pectus antice spinis duabus porrectis armatum, scutellum carinatum, abdominis dorsum fulvum, lateribus sordide testaceis; femora antica subincrassata; alae anticae abdominis apicem non attingentes.*

Male. Piceous, very slender, nearly linear. Head almost as long as the prothorax; ante-ocular part as long as the post-ocular. First joint of the antennae stout, somewhat shorter than the head. Prothorax with five parallel furrows; angles rounded, not prominent; fore lobe much longer than the hind lobe; suture between them indistinct; a porrect spine on each side of the fore pectus. Scutellum short, keeled. Abdomen tawny above, dingy testaceous on each side beneath. Legs slender, rather long; fore femora rather thicker than the others. Wings not extending to the tip of the abdomen. Hind wings cinereous. Length of the body 7 lines.

a. Hindostan. From the Entomological Society's collection.

20. PYGOLAMPIS MACERA.

Mas. *Picea, gracillima, fere linearis; caput prothorace viz brevius; prothorax subsulcatus, pectus antice spinis duabus porrectis armatum; pedes quatuor posteriores longissimi, gracillimi; tibiae anticae luteo bifasciatae; alae anticae abdominis apicem non attingentes. Faem.?—Testacea; tibiae quatuor anteriores fusco bifasciatae; femora postica apices versus picea.*

Male. Piceous, very slender, nearly linear. Head cylindrical, rather shorter than the prothorax; ante-ocular part as long as the post-ocular. Antennae much longer than the head and the prothorax together; first joint stout, much longer than the head; second and following joints very slender; second rather longer than the first; third and fourth short. Prothorax with a slight middle furrow, and with hardly acute and not prominent angles; fore lobe a little longer than the hind lobe. Scutellum small; triangular. Fore pectus with a porrect spine on each side. Four posterior legs very long and slender, fore legs comparatively short; fore tibiae with two luteous bands. Fore wings not extending to the tip of the abdomen. Length of the body 7 lines.

a. Malacca. Presented by W. W. Saunders, Esq.

Female? Testaceous, very slender, nearly linear. Head rather shorter than the prothorax; ante-ocular part a little longer than the post-ocular. Antennae much longer than the head and the prothorax together;

very slender, excepting the first joint, which is much longer than the head; second longer than the first. Prothorax with rounded and not prominent angles; fore lobe hardly more than one-fourth as long as the hind lobe, the suture between them very slight. Scutellum lanceolate. Legs long, slender; fore femora hardly incrassated; hind femora piceous towards the tips; four anterior tibiae with two brown bands. Fore wings not extending to the tip of the abdomen. Length of the body 8 lines.

a. Lombok. Presented by W. W. Saunders, Esq.

21. PYGOLAMPIS AUSTRALIS.

Mas et fœm. *Picea, gracillima, fere linearis; caput lineare, prothorace brevius; antennæ capite et prothorace ad unum multo longiores; prothorax albido late bivittatus; abdominis dorsum ochraceum; pedes fulvi, longi, graciles; alæ anticæ venis cinereo marginatis.*

Male and female. Piceous, very slender, nearly linear. Head linear, rather shorter than the prothorax; ante-ocular part as long as the post-ocular. Antennæ much longer than the head and the prothorax together; first joint much longer than the head; second as long as the first, third and fourth short. Prothorax with rounded and not prominent angles; a broad whitish stripe on each side; fore lobe much shorter than the hind lobe, from which it is hardly distinguishable. Scutellum small. Abdomen ochreous above. Legs tawny, long, slender. Fore wings with cinereous-bordered veins. Hind wings white. Length of the body $6\frac{1}{2}$ — $7\frac{1}{2}$ lines.

a, b. Australia. From Mr. Damel's collection.

Genus 6. RHAPHIDOSOMA.

Rhaphidosoma, *Serv. Hist. Hem.* 392. *Stal, Hem. Afr.* iii. 97.

1. RHAPHIDOSOMA MAJOR.

Limnobates major, *Germ. Silb. Rev. Ent.* v. 122—*Rhaphidosoma Burmeisteri*, *Serv. Hist. Hem.* 390, pl. 12, f. 12—*Rhaphidosoma majus*, *Stal, Hem. Afr.* iii. 98.

Cape.

2. RHAPHIDOSOMA AMBULATOR.

ambulator, *Stal, Ofv. K. V. Ak. Forh.* xii. 45; *Hem. Afr.* iii. 98. Natal.

3. RHAPHIDOSOMA CIRCUMVAGANS.

circumvagens, *Stal, Ofv. K. V. Ak. Forh.* xii. 45; *Hem. Afr.* iii. 98. Natal.

4. RHAPHIDOSOMA CARINATUM.

carinatum, *Stal, Ofv. K. K. Ak. Forh.* xii. 45; *Hem. Afr.* iii. 98. Natal.

Div. 2.

Lopodytes, *Stal*, *Ofv. K. V. Ak. Forh.* x. 263; *Hem. Afr.* iii. 97.

5. RHAPHIDOSOMA GRASSATOR.

Lopodytes grassator, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 45; *Hem. Afr.* iii. 97.
Natal.

Fam. 4. ETRICHODIDÆ.

Ectrichodidæ, *Serv. Hist. Hem.* 342—*Ectrichodida*, *Stal*, *Hem. Afr.* iii. 101.

Genus 1. ETRICHODIA.

Ectrichodia, *St. Farg. et Serv. Enc.* x. 279. *Serv. Hist. Hem.* 343. *Stal*, *Hem. Afr.* iii. 103—*Loricerus*, *Hahn, Wanz. Ins.* i. 30—*Ectrycholes*, *Burm. Handb. Ent.* ii. 237—*Physorhynchus*, *Serv. Hist. Hem.* 342.

Africa.

Div. 1.

Physorhynchus, *Serv. Hist. Hem.* 342—*Ectrichodia*, *Stal*, *Ofv. K. V. Ak. Forh.* xvi. 176.

| | | | | |
|--|---|---|---|----------------|
| A. Scutellum reddish testaceous. | - | - | - | lucida. |
| B. Scutellum black or æneous-black. | | | | |
| a. Legs wholly reddish testaceous. | | | | |
| * Furrow at the fore tibiæ small. | - | - | - | gigas. |
| ** Furrow at the fore tibiæ rather large. | - | - | - | distincta. |
| b. Legs wholly or partly black or æneous-black. | | | | |
| * Antennæ with yellowish tips. | - | - | - | antennalis. |
| ** Antennæ with a whitish band near the tips. | - | - | - | marginicollis. |
| *** Antennæ wholly black. | | | | |
| † Colour not metallic. | | | | |
| ‡ Prothorax with no cruciform mark. | | | | |
| § Antennæ very hairy. | - | - | - | barbicornis. |
| §§ Antennæ not very hairy. | | | | |
| × First joint of the antennæ as long as the second. | - | - | - | ingens. |
| ×× First joint of the antennæ shorter than the second. | - | - | - | picipes. |
| †† Prothorax with a cruciform mark. | | | | |
| § Femora wholly black. | - | - | - | cruz. |
| §§ Femora with luteous tips. | - | - | - | diversipes. |
| §§§ Femora mostly red. | - | - | - | pictipes. |
| †† Colour more or less metallic. | | | | |
| ‡ Prothorax with two luteous dots in front. | - | - | - | bigemmis. |
| †† Prothorax with luteous spots. | - | - | - | tarsalis. |
| ††† Prothorax luteous. | | | | |
| § Fore wings black. | - | - | - | patricia. |
| §§ Fore wings yellowish, bordered with black. | - | - | - | Natalensis. |

1. ECTRICHODIA CRUX.

———, *Stoll, Pun.* 43, pl. 9, f. 65—*Cimex crux*, *Thunb. Dissert. Acad.* 156; *Nov. Ins. Sp.* ii. 35—*Reduvius crux*, *Thunb. Hem. Rostr. Cap.* iii. 5—*Reduvius cruciatus*, *St. Farg. et Serv. Enc. Méth.* x. 279—*Loricerus crux*, *Hahn, Wanz. Ins.* i. 30, pl. 5, f. 30—*Ectrychotes crux*, *Burm. Handb. Ent.* ii. 238—*Ectrichodia crux*, *Blanch. Hist. Nat. Ins.* iii. 105. *Stal, Hem. Afr.* iii. 106—*Physorhynchus crux*, *Serv. Hist. Hem.* 342.

- a, b.* Sierra Leone. Presented by the Rev. D. F. Morgan.
c. Sierra Leone. From Mr. Foxcroft's collection.
d, e. South Africa. Presented by Sir A. Smith.
f. Interior of South Africa. Presented by the Earl of Derby in 1843.
g—i. Natal. From M. Gueinzus' collection.

2. ECTRICHODIA LUCIDA.

Reduvius lucidus, *St. Farg. et Serv. Enc. Méth.* x. 279—*Ectrichodia lucida*, *De Lap. Hem.* pl. 51, f. 1. *Stal, Hem. Afr.* iii. 104—*Loricerns lucidus*, *Serv. Hist. Hem.* 343.

Senegal. Guinea. Grand Bassan.

3. ECTRICHODIA GIGAS.

Ectrychotes gigas, *H.-Sch. Wanz. Ins.* viii. 54, pl. 266, f. 824—*Ectrichodia gigas*, *Stal, Hem. Afr.* iii. 104.

Guinea.

- a, b.* West Africa. Presented by J. D. Tebbs, Esq.
c. West Africa.
d. Sierra Leone. From Mr. Foxcroft's collection.
e. Old Calabar. From Mr. J. Gray's collection.

4. ECTRICHODIA DISTINCTA.

Reduvius barbicornis, *Drury Ins.* iii. 62, pl. 45, f. 1—*Physorhynchus distinctus*, *Sgnt. Arch. Ent.* ii. 315—*Ectrichodia distinguenda*, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 177—*Ectrichodia distincta*, *Stal, Hem. Afr.* iii. 105.

- a—d.* Sierra Leone. Presented by the Rev. D. F. Morgan.
e, f. Old Calabar. From the Rev. Mr. Thompson's collection.
g. Old Calabar. From Mr. J. Gray's collection.
h. ———? From Mr. Vigers' collection.

5. ECTRICHODIA BARBICORNIS.

Reduvius barbicornis, *Fabr. Syst. Ent.* 730; *Sp. Ins.* ii. 378; *Mant. Ins.* ii. 309; *Ent. Syst.* iv. 194; *Syst. Rhyn.* 267—*Physorhynchus barbicornis*, *Serv. Hist. Hem.* 343—*Physorhynchus crudelis*, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 188—*Ectrichodia barbicornis*, *Stal, Hem. Afr.* iii. 305.

Guinea.

- a—c.* Sierra Leone. Presented by the Rev. D. F. Morgan.
d. West Africa. From Major Parry's collection.

6. *Ectrichodia autumnalis*.

autumnalis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 177; *Hem. Afr.* iii. 106.

Cape Palmas.

a, b. Sierra Leone. Presented by the Rev. D. F. Morgan.

7. *Ectrichodia bigemmis*.

Physorhynchus bigemmis, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 40—*Ectrichodia bigemmis*, *Stal, Hem. Afr.* iii. 107.

Natal.

8. *Ectrichodia patricia*.

Physorhynchus patricius, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 40—*Ectrichodia patricia*, *Stal, Hem. Afr.* iii. 107.

Natal.

9. *Ectrichodia natalensis*.

Physorhynchus Natalensis, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 40—*Ectrichodia Natalensis*, *Stal, Hem. Afr.* iii. 107.

Natal.

10. *Ectrichodia tarsalis*.

tarsalis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 178; *Hem. Afr.* iii. 109.

Natal.

11. *Ectrichodia diversipes*.

Fœm. *Nigra*; *caput conicum, prothoracis lobo antico brevius, antice luteo univittatum; prothorax et scutelli mucrones lutei; venter luteus, vittis duabus latissimis spatique apicali nigris; femora apices versus lutea; tibiæ luteæ, apice nigrae.*

Female. Black, elongate-subfusiform, narrower towards the head. Head conical, shorter than the fore lobe of the prothorax; middle lobe luteous; ante-ocular part much longer than the post-ocular. Eyes slightly prominent. First and second joints of the rostrum nearly equally long. Antennæ much longer than the head and the prothorax together; first joint as long as the head; second longer than the first; third shorter than the first; fourth shorter than the third. Prothorax luteous above; sutures black; longitudinal furrow strongly marked; fore lobe a little longer than the hind lobe. Scutellum with two tubercular luteous points, which are wide apart. Abdomen luteous beneath, black towards the tip and with a very broad black stripe on each side. Femora luteous towards the tips, four anterior femora incrassated; tibiæ luteous, their tips black. Fore wings narrow, not extending to the tip of the abdomen. Length of the body 13—16 lines.

a, b. Abyssinia. Presented by the Secretary for the East Indies.

c. Abyssinia.

12. *ECTRICHODIA MARGINICOLLIS*.

Form. *Nigra, nitens; caput conicum, capitis lobo antico æquilongum; antennarum articulus 4us albus, apicem versus niger; prothoracis lobus anticus luteo marginatus; pedes validi, femoribus quatuor anterioribus subincrassatis.*

Female. Black, smooth, shining, elongate-subelliptical, narrower towards the head. Head conical, as long as the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Eyes slightly prominent. First and second joints of the rostrum about equal in length. Antennæ much longer than the head and the prothorax together; first joint a little longer than the ante-ocular head, second longer than the first; third as long as the first; fourth white, black towards the tip, shorter than the third. Prothorax with a distinct longitudinal furrow; fore lobe luteous-bordered, longer than the hind lobe. Tubercular points of the scutellum wide apart. Legs stout; four anterior femora slightly incrassated; four anterior tibiæ with an oblong furrow. Length of the body 12 lines.

The specimen described is probably not fully developed.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Div. 2.

Nularda, *Stal, Ofv. K. V. Ak. Forh.* xvi. 178.

13. *ECTRICHODIA NOBILITATA*.

Nularda nobilitata, *Stal, Ofv. K. V. Ak. Forh.* xvi. 178.

Senegal.

Div. 3.

Centraspis, *Schaum, Ber. Akad. Berl.* 1853, 358. *Stal, Ofv. K. V. Ak. Forh.* xvi. 179; *Hem. Afr.* iii. 108.

14. *ECTRICHODIA PETERSI*.

Centraspis Petersi, *Schaum, Ber. Akad. Berl.* 1853, 358; *Peters, Reise Mozamb. Ins.* 49, pl. 2, f. 9. *Stal, Hem. Afr.* iii. 103.

Mozambique.

15. *ECTRICHODIA IMPERIALIS*.

imperialis, *Westw. Trans. Ent. Soc. Lond.* iv. 119, pl. 7, f. 2—Centraspis imperialis, *Stal, Hem. Afr.* iii. 103.

Cape Palmas.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Div. 4.

Microstemma, *Sgnt. Arch. Ent.* ii. 313. *Stal, Hem. Afr.* iii. 108.

16. *ECTRICHODIA ATROCYANEA*.

Microstemma atrocyaneum, *Sgnt. Arch. Ent.* ii. 314, pl. 11, f. 9. *Stal, Hem. Afr.* iii. 108.

Calabar.

a. West Africa. Presented by E. Doubleday, Esq.

Div. 5.

Cleptria, *Stal, Ofv. K. Vet. Ak. Forh.* x. 261; xvi. 182; *Hem. Afr.* iii. 109.

A. Prothorax wholly dark.

a. Eyes very prominent. - - - - tarsalis.

b. Eyes moderately prominent.

* Legs black.

† Abdomen hardly furrowed beneath. - - - - cinctiventris.

†† Abdomen distinctly furrowed beneath. - - - - marginipennis.

** Legs partly pale. - - - - rufipes.

B. Prothorax black; hind lobe pale. - - - - miles.

C. Prothorax wholly pale. - - - - oculata.

17. ECTRICHODIA TARSALIS (his lectum).

Cleptria tarsalis, *Sgnt. A. S. E. F. 3me Sér.* viii. 961. *Stal, Hem. Afr.* iii. 109.

Madagascar.

18. ECTRICHODIA CINCTIVENTRIS.

Cleptria cinctiventris, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 41; *Hem. Afr.* iii. 109.

Natal.

19. ECTRICHODIA OCULATA.

Cleptria oculata, *Stal, Hem. Afr.* iii. 109.

South-West Africa.

a. Lake N'Gami. From Mr. Andersen's collection.

20. ECTRICHODIA MARGINIPENNIS.

Cleptria marginipennis, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 41; *Hem. Afr.* iii. 110.

Natal.

21. ECTRICHODIA RUPIFES.

Cleptria rufipes, *Stal, Ofv. K. Vet. Ak. Forh.* xiii. 197; *Hem. Afr.* iii. 110.

Cape.

22. ECTRICHODIA MILES.

Ectrychotes miles, *Germ. Silb. Rev. Ent.* v. 130—*Ectrichodia bicoloripes*, *Stal, Ofv. K. Vet. Ak. Forh.* xi. 237—*Cleptria miles*, *Stal, Hem. Afr.* iii. 110.

Cape.

Div. 5?

Gymmatophora, *Stal, Ofv. K. Vet. Ak. Forh.* x. 261.

This generic name is supposed by Signoret to be founded on an immature species of *Cleptria*.

Div. 6.

Santosia, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 442; xvi. 184; *Hem. Afr.* iii. 111.

| | | | | | |
|--|--|---|---|---|------------------------------------|
| A. Body red beneath. | | | | | |
| a. | Corium black; base and band red. | - | - | - | <i>bidentula</i> . |
| b. | Costa of the corium pale at the base. | | | | |
| * | Base of the neck black. | - | - | - | <i>simillima</i> . |
| ** | Base of the neck pale. | | | | |
| † | Pectus pale. | - | - | - | <i>trimaculata</i> . |
| †† | Pectus black. | - | - | - | <i>diminuens</i> . |
| *** | Head black, with a red band behind the eyes. | - | | | <i>subfasciata</i> . |
| **** | Head wholly black. | - | - | - | <i>senescens</i> . |
| c. | Corium pale, marked with black. | - | - | - | <i>maculata</i> . |
| B. Body black beneath, excepting the bands of the abdomen. | | | | | |
| | | - | - | - | <i>erythrocephala, diminuens</i> . |
| C. Head and abdomen bright red. | | | | | |
| | | - | - | - | <i>picipes</i> . |

23. ECTRICHODIA MACULATA.

Reduvius maculatus, *Fabr. Ent. Syst.* iv. 195; *Syst. Rhyn.* 268—*Santosia maculata*, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 442; *Hem. Afr.* iii. 111.

Calabar.

a, b. Sierra Leone. Presented by the Rev. D. F. Morgan.

24. ECTRICHODIA TRIMACULATA.

Reduvius trimaculatus, *Pal. Beauv. Ins.* 64. *Hem.* pl. 2, f. 3—*Santosia trimaculata*, *Stal, Hem. Afr.* iii. 111.

Calabar.

25. ECTRICHODIA SIMILLIMA.

Santosia simillima, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 443; *Hem. Afr.* iii. 112.

Calabar.

26. ECTRICHODIA BIDENTULA.

Ectrychotes bidentulus, *Germ. Silb. Rev. Ent.* v. 130—*Santosia bidentula*, *Stal, Hem. Afr.* iii. 112.

a, b. Cape. From M. Dregé's collection.

c. South Africa. Presented by Sir A. Smith.

27. ECTRICHODIA ERYTHROCEPHALA.

Reduvius erythrocephalus, *Wolff, Ic. Cim.* iii. 126, pl. 12, f. 120—*Reduvius albomarginatus*, *Fabr. Syst. Rhyn.* 268—*Santosia erythrocephala*, *Stal, Hem. Fabr.* i. 119.

a. Guinea. Presented by W. W. Saunders, Esq.

28. *ECTRICHODIA DIMINUENS*.

Fœm. *Nigra, glabra, nitens; caput subfusiforme, pallide rufum, prothoracis lobo antico multo longius; rostrum basi pallide rufum; antennæ pilosæ, basi pallide rusæ; prothorax flavus, nigro quadrimaculatus, segmenta ventralia flavo fasciata; femora quatuor anteriora subincrassata; alæ anticæ atræ.*

Female. Black, fusiform, smooth, shining. Head pale red, subfusiform, much longer than the fore lobe of the prothorax; ante-ocular part shorter than the post-ocular. Eyes slightly prominent. First joint of the rostrum pale red towards the base, much longer than the second. Antennæ hairy, much longer than the head and the prothorax together; first joint nearly as long as the head, pale red towards the base; second much longer than the first; third shorter than the first; fourth shorter than the third. Prothorax yellow, with a large black spot on each of the four compartments, and with a strongly-marked longitudinal furrow; fore lobe much shorter than the hind lobe. Points of the scutellum rather far apart. A yellow band on the fore border of each ventral segment, dilated in the middle. Four anterior femora very slightly incrassated; furrow of the four anterior tibiae very short. Fore wings deep black. Length of the body 7 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

29. *ECTRICHODIA PICTIPES*.

Mas. *Viridis, nitens; caput conicum, prothoracis lobo antico æquilongum; rostrum piceum, basi flavum; prothorax rufus, nigro bivittatus; pedes rufi, coxis genubus tarsisque apice nigris, femoribus quatuor anterioribus incrassatis; alæ anticæ atræ.*

Male. Bright metallic-green, fusiform. Head conical, as long as the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular. Ocelli red, not elevated. Eyes black, slightly prominent. Rostrum piceous; first joint yellow, piceous at the tip, a little longer than the second. Antennæ black, pilose, a little longer than the head and the prothorax together; first joint longer than the ante-ocular head; second longer than the first; third much shorter than the first, fourth much shorter than the third. Prothorax bright red, with a longitudinal furrow, which is abbreviated in the hind lobe and is black in the fore lobe; fore lobe a little shorter than the hind lobe, with a black notched stripe on each side; hind lobe black about the fore border, with two lanceolate black stripes and with two exterior longitudinal furrows. Points of the scutellum far apart. Legs bright red; coxæ, trochanters, knees and tips of tarsi black; four anterior femora incrassated, dentate beneath; furrows of the four anterior tibiae very short. Fore wings deep black. Length of the body — lines.

a. Interior of South Africa. Presented by the Earl of Derby in 1843.

Div. 7.

Pirena, *Stal, A. S. E. F. 4me Sér. iii. 47.*

30. ECTRICHODIA PUNCTATA.

Pirena punctata, *Stal, A. S. E. F. 4me Sér. iii. 47.*

a. Natal. From M. Gueinzius' collection.

South Asia and Eastern Isles.

Div. 1.

Physorhynchus, *Serv.*—Ectrichodia, *Stal.*

31. ECTRICHODIA LINNEI.

Linnei, *Stal, Ofv. K. Vet. Ak. Forh. xvi. 178.*

Ceylon.

32. ECTRICHODIA RUBRA.

rubra, *Serv. Hist. Hem. 344, pl. 7, f. 7.*

Java.

33. ECTRICHODIA DISCREPANS.

Mas. *Nigra, nonnunquam cyaneo aut purpureo varia; caput subtriangulare, transverse striatum, prothoracis lobo antico brevius; antennæ apices versus fuscæ; scutelli mucrones tuberculati; abdomen rufum, apicem versus nigrum; pedes robusti, femoribus quatuor posterioribus subtus tuberculatis, anticis subtus unispinosis. Fœm.—Aptera; antennæ 6-articulatæ; abdomen nigrum, scabrum; connexivum rufum aut rufo marginatum.*

Male. Black, fusiform, smooth, shining, sometimes tinged with blue or purple. Head somewhat triangular, striated transversely, shorter than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular; ocelliferous part elevated. Eyes slightly prominent. First and second joints of the rostrum nearly equally long. Antennæ hairy, a little longer than the head and the prothorax together; first joint longer than the head; second longer than the first; third and fourth brownish; third much shorter than the first; fourth shorter than the third. Prothorax with an impression on each side of the longitudinal furrow and partly on each lobe; fore lobe about as long as the hind lobe. Tubercular points of the scutellum wide apart. Abdomen red, black towards the tip. Legs stout; hind femora with a tubercle beneath near the tip; middle femora with two tubercles beneath; fore femora with a stout spine beneath; fore anterior tibiæ with an oblong furrow. Hind wings cinereous. Length of the body 10 lines. *Female.*—Wingless. Antennæ 6-jointed, hardly pilose. Abdomen black, scabrous; connexivum red or bordered with red. Length of the body 12—16 lines.

a—c. Ceylon. Presented by Dr. Templeton.

d. Ceylon. From Mr. Thwaites' collection.

e—g. Ceylon. Presented by W. W. Saunders, Esq.

- k, i. Hindostan. Presented by J. C. Bowring, Esq.
 j, k. Hindostan. From the Entomological Society's collection.
 l, m. Silhet. From the Rev. J. Stunforth's collection.
 n. Hindostan. From Mr. Warwick's collection.
 o. ———?

34. ECTRICHODIA PORRIGENS.

Æm. *Nigra*; *caput fusiforme, prothoracis lobo antico multo longius et angustius; prothorax transverse striatus, lobi postici, lateribus luteis; scutelli mucrones lutei, abdomen rufum, vittis duabus apice facisque ventralibus nigris, corii striga basalis lutea.*

Female. Black, fusiform, excepting the head. Head narrow, fusiform, much longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Eyes slightly prominent. Rostrum thick; first joint hardly longer than the second. Prothorax transversely striated, with a strongly-marked longitudinal furrow, fore lobe shorter than the hind lobe, with an oblique furrow on each side; hind lobe luteous on each side, except in front. Scutellum with two luteous wide-apart points. Abdomen red; under side with two black stripes, with a black tip, and with narrow black bands. Four anterior tibiae with an elliptical furrow beneath. Costa of the corium with a luteous basal streak. Length of the body 6 lines.

- a. Philippine Isles. From Mr. Cuming's collection.

Div. 2.

Mendis, Stal, Ofv. K. Vet. Ak. Forh. xvi. 180.

35. ECTRICHODIA SEMIRUSA.

Ectrichodia semirufa, Stal, Ofv. K. Vet. Ak. Forh. xi.—Mendis semirufa, Stal, Ofv. K. Vet. Ak. Forh. xi.

- a. Pulo Penang. Presented by J. C. Bowring, Esq.

36. ECTRICHODIA FUSCIPENNIS.

Mendis fuscipennis, Stal, Ofv. K. Vet. Ak. Forh. xvi. 181.

Java.

37. ECTRICHODIA NIGRIPENNIS.

Reduvius nigripennis, Fabr. Ent. Syst. iv. 196; Syst. Rhyn. 269—Mendis sanguinaria, Stal, Ofv. K. Vet. Ak. Forh. xxiii. 301—Mendis nigripennis, Stal, Hem. Fabr. i. 117.

Hindostan.

38. ECTRICHODIA PECTORALIS.

Mendis pectoralis, Stal, A. S. E. F. 4me Sér. iii. 44.

- a, b. Shanghai. From Mr. Fortune's collection.
 c. Amoy. From Mr. Stevens' collection.

39. *ECTRICHODIA INSIGNIS*.

Fœm. *Rufa*; *caput subellipticum, prothoracis lobo antico multo longius; rostrum, antennæ, pedes et alæ anticæ nigra; oculi valde prominuli; prothorax trisulcatus; venter nigro biserialim maculatus; corium vitta costali rufa.*

Female. Red, fusiform, smooth, shining. Eyes, rostrum, antennæ, legs and fore wings black. Head subelliptical, much longer than the fore lobe of the prothorax; ante-ocular part rather longer than the post-ocular; ocelliferous part very convex. Eyes very prominent. First joint of the rostrum much shorter than the second. First joint of the antennæ much longer than the ante-ocular head; second a little longer than the first. Prothorax with three strongly-marked longitudinal furrows; fore lobe much shorter than the hind lobe. Apical points of the scutellum very wide apart. Abdomen beneath with a row of large black spots on each side. Legs rather slender; furrow of the four anterior tibiæ elliptical. Corium with a red costal stripe. Length of the body $8\frac{1}{2}$ lines.

a. Hindostan. Presented by J. C. Bowring, Esq.

Div. 3.

Sphinctomerus, *Mayr, Verh. Zool. Bot. Ver. Wien. xv. 440.*

40. *ECTRICHODIA PULCHRA*.

Sphinctomerus pulcher, *Mayr, Verh. Zool. Bot. Ver. Wien. xv. 441.*
Java.

Div. 4.

Vilius, *Stål, A. S. E. F. 4me Sér. iii. 45.*

41. *ECTRICHODIA MELANOPTERA*.

Vilius melanopterus, *Stål, A. S. E. F. 4me Sér. iii. 45.*

a. Silhet. Presented by J. C. Bowring, Esq.

42. *ECTRICHODIA MACROPS*.

Mas. *Rufa*; *caput subellipticum, prothoracis lobo antico multo longius; oculi valde prominuli; prothorax bisulcatus; pedes graciles, femoribus apice tibiisque basi nigris; alæ anticæ nigrae, coria costæ rufa.*

Male. Red, smooth, shining, elongate-fusiform. Head subelliptical, much longer than the fore lobe of the prothorax, rectangular on each side above, ante-ocular part much longer than the post-ocular; seat of the ocelli elevated. Eyes black, extremely prominent. First joint of the rostrum shorter than the second. Prothorax with three longitudinal furrows, which are much more strongly marked in the hind lobe than in the fore lobe; fore lobe much shorter than the hind lobe. Scutellum short, excavated at the base; the two apical points short, very wide apart. Legs slender; femora at the tips and tibiæ at the base black; tips of the four anterior tibiæ dilated, their furrows very short. Fore wings black; costa of the corium red. Length of the body 10 lines.

Very nearly allied to *E. melanoptera*, but probably distinct.

a. Siam. Presented by W. W. Saunders, Esq.

43. ECTRICHODIA LIMBIFERA.

Mas. *Rufa; caput subellipticum, prothoracis lobo antico multo longius; oculi sat prominuli; antennæ nigrae; prothorax trisulcatus; venter nigro biserialim maculatus; pedes graciles; alæ anticae nigrae, corii costa rufa.*

Male. Red, smooth, shining, elongate-subfusiform. Head subelliptical, much longer than the fore lobe of the prothorax and nearly as broad; ante-ocular part as long as the post-ocular, ocelliferous part elevated. Eyes black, rather long and prominent. Antennæ black; first joint longer than the ante-ocular head. Prothorax with three longitudinal furrows, which are much more strongly marked in the hind lobe than in the fore lobe; fore lobe much shorter than the hind lobe. Scutellum excavated at the base; the two apical points very wide apart. Abdomen beneath with a row of large black spots on each side. Legs slender; furrow of the four anterior tibiae elliptical. Fore wings black; costa of the corium red. Length of the body $8\frac{1}{2}$ lines.

Closely allied to *E. macrops* and to *E. melanoptera*.

a. Hindostan? Presented by Major-Gen. Hardwicke.

44. ECTRICHODIA MACULIVENTRIS.

Scadra maculiventris, *Stål, A. S. E. F. 4me Sér. iii. 46.*

a. Hindostan. From the Entomological Society's collection.

45. ECTRICHODIA LANIUS.

Physorhynchus lanius, *Stål, Ofv. K. V. Ak. Forh. xii. 188*—*Scadra lanius* *Stål, Ofv. K. V. Ak. Forh. xvi. 183; xxiii. 301.*

Pulo Penang.

a, b. Java. Presented by J. C. Bowering, Esq.

c. ———?

Div. 5.

Scadra, *Stål, Ofv. K. V. Ak. Forh. xvi. 182.*

46. ECTRICHODIA ALIENA.

Mat. *Nigra; caput fusiforme, prothoracis lobo antico multo longius; lobus posticus antice scaber, postice luteo quadrinotatus; scutelli mucrones lutei; venter rufus, fasciis vittis duabus apiceque nigris; corium rufescens, litura triangulari nigra; membrana lurida.*

Male. Black, shining, fusiform, excepting the head. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part with three strongly-marked lobes, as long as the post-ocular; ocelliferous part very convex. Eyes rather prominent. First joint of the rostrum a little longer than the second. Prothorax with a slightly-marked longitudinal furrow on each side; fore lobe a little shorter and more convex than the hind lobe, with an oblique furrow on each side of the disk and with a strongly-marked longitudinal furrow; hind lobe with luteous hind angles and a

luteous spot on each side of the hind border, scabrous in front, where there is a short longitudinal furrow. Apical points of the scutellum luteous, wide apart. Abdomen beneath red, with a narrow black band on the fore border of each segment, with a black stripe on each side, and with a black tip. Legs rather slender; furrow beneath the four anterior tibiae elliptical. Corium reddish, with an elongate triangular black mark in the disk. Membrane lurid. Length of the body $6\frac{1}{2}$ lines.

a. Java. Presented by J. C. Bowring, Esq.

47. ECTRICHODIA SULICA.

Mas. Flava, nitens; caput fusiforme, prothoracis lobo antico multo longius; antennae nigrae, filiformes, articulo 1o basi flavo, 4o flavo basi nigro; prothoracis lobus posticus rufus; scutellum rufum, basi nigro notatum; pectus nigrum, connexivum nigro maculatum; venter nigro brevibivittatus; femora nigro bifasciata; tibiae nigrae, flavo unifasciatae; alae anticae nigrae, basi vittaque costali rufis.

Male. Yellow, fusiform, smooth, shining. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular; ocelliferous part convex, mostly black. Eyes slightly prominent. First joint of the rostrum longer than the second. Antennae black, filiform, much more than half as long as the body; first joint yellow towards the base, a little longer than the ante-ocular head; second longer than the first; third hardly shorter than the first, fourth yellow, black at the base, as long as the first. Fore lobe of the prothorax shorter and more convex than the hind lobe, with three very slight longitudinal furrows; hind lobe red, with three strongly-marked longitudinal furrows. Scutellum red, black in the middle towards the base; apical points wide apart. Pectus black. Abdomen keeled beneath, where there is a black stripe on each side on the third and fourth segments. Connexivum above with large black spots. Legs slender; femora with two broad black bands, the second apical, tibiae black, with a broad yellow middle band; tarsi blackish towards the tips. Fore wings black; corium red at the base, and with a narrow red costal stripe. Length of the body $5\frac{1}{2}$ lines.

a. Sula. Presented by W. W. Saunders, Esq.

48. ECTRICHODIA INTERMEDIA.

Mas. Rufa, nitens; caput fusiforme, prothoracis lobo antico multo longius et angustius; venter e maculis nigris transversis biseriatis vittatus; pedes sat graciles; alae anticae atrae, costa corrique venis rufis.

Male. Red, smooth, shining, fusiform, excepting the head. Head fusiform, much longer and narrower than the fore lobe of the prothorax; ante-ocular part somewhat longer than the post-ocular; seat of the ocelli not elevated. Eyes slightly prominent. First and second joints of the rostrum about equally long. First joint of the antennae much longer than the ante-ocular head, second longer than the first. Prothorax with a broad and strongly-marked longitudinal furrow; fore lobe as long as the hind lobe, which has a strongly-marked furrow on each side. Scutellum with two long wide-apart apical points. Abdomen beneath with a row of black

transversely elongated spots on each side. Legs rather slender; furrow of the four anterior tibiæ elliptical. Fore wings deep black; costa and veins of the corium red. Length of the body 8 lines.

s. Sarawak. Presented by W. W. Saunders, Esq.

49. ECTRICHODIA OPHIRICA.

Mas. *Rufa; caput ellipticum, prothoracis lobo antico paullo longius; oculi subprominuli; antennæ piceæ, pilosissimæ, articulo 1o rufo; prothorax antice unisulcatus, postice trisulcatus, scutellum tridentatum; pectus nigro biplagiatum; venter nigro trivittatus; pedes breviusculi, sat validi, femoribus quatuor anterioribus subincrassatis; alæ anticae nigrae, corii basi lineaque costali rufis.*

Male. Red, fusiform, smooth, shining. Head elliptical, a little longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular. Eyes piceous, slightly prominent. First joint of the rostrum longer than the second. Antennæ piceous, very hairy; first joint red, nearly as long as the head; second much longer than the first; third and following joints shorter than the first. Prothorax with a strongly-marked longitudinal furrow, which does not extend to the hind border of the hind lobe; fore lobe shorter than the hind lobe, which has a strongly-marked longitudinal furrow on each side. Scutellum with two wide-apart points and with an intermediate smaller point. Pectus with a black patch on each side. Abdomen beneath with a broad abbreviated black stripe on each side. Legs rather short and stout; four anterior femora slightly incrassated; four anterior tibiæ with an elliptical furrow. Fore wings black; corium red at the base, and with a red costal line. Length of the body 5 lines.

s. Mount Ophir. Presented by W. W. Saunders, Esq.

50. ECTRICHODIA INCLUDENS.

Fœm. *Nigra, glabra; caput fusiforme, prothoracis lobo antico sat longius; rostrum ferrugineum; prothorax et scutelli mucrones rufi; connexivum rufo maculatum; pedes sat graciles; corium litura aut fascia infornis basi costaque rufis.*

Female. Black, fusiform, smooth, shining. Head fusiform, rather longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Eyes slightly prominent. Rostrum ferruginous, first joint longer than the second. Antennæ hairy, longer than the head and the prothorax together; first joint much longer than the ante-ocular head; second longer than the first; third shorter than the first; fourth shorter than the third. Prothorax red, with a strongly-marked longitudinal furrow, which does not extend to the hind border of the hind lobe; fore lobe with a slight longitudinal furrow on each side, hardly shorter and much more convex than the hind lobe, from which it is divided by a black suture; hind lobe with a strongly-marked longitudinal furrow on each side. Apical points of the scutellum red, far apart. Connexivum with red spots along each side. Legs rather slender; furrow beneath the four anterior tibiæ

oblong. Corium red at the base, with a red costal stripe, and with a red mark on the interior border, or sometimes with a red irregular and interrupted band. Length of the body $5\frac{1}{2}$ —6 lines.

a—c. North China. From Mr. Fortune's collection.

d. Hong Kong. Presented by J. C. Bowring, Esq.

e, f. Yang-Tsse. Presented by J. C. Bowring, Esq.

51. ETRICHODIA LUTEICOLLIS.

Mas. Nigra; caput ellipticum, prothoracis lobo antico multo longius, antice testaceum, rostrum plus minusve testaceum; antennæ late, filiformes, articulo 1o luteo apicem versus nigro; scutellum et abdomen basi lutea; venter pallide flavus, luteo varius, nigro unifasciatus et trimaculatus; pedes quatuor anteriores lutei, femoribus basi genubus tibiis apice tarsisque nigris; corium luridum; membrana fusca.

Male. Black, fusiform, smooth, shining. Head elliptical, much longer than the fore lobe of the prothorax; ante-ocular part pale testaceous, longer than the post-ocular part. Eyes slightly prominent. Ocelli not elevated. Rostrum more or less testaceous; first and second joints about equally long. Antennæ broad, filiform, longer than the head and the prothorax together; first joint lutescent, black towards the tip, longer than the ante-ocular head, shorter than the second; third a little shorter than the first, fourth hardly shorter than the third. Fore lobe of the prothorax luteous, with a slight longitudinal furrow, much shorter than the second, which has three strongly-marked longitudinal furrows and a luteous hind border. Scutellum luteous; apical points very wide apart. Abdomen luteous towards the base; under sides pale yellow, partly luteous, with a black band, with a hinder black spot on each side, and with an apical black spot. Four anterior legs luteous; femora towards the base, knees, tarsi and tips of tibiæ black. Corium lurid. Membrane brown. Length of the body 5— $5\frac{1}{2}$ lines.

Closely allied to *E. maculiventris* and to *E. lanius*.

a. Sarawak. Presented by W. W. Saunders, Esq.

b. Sarawak. From Mr. Wallace's collection.

52. ETRICHODIA RUFIENS.

Scadra rufidens, Stal, *Ofv. K. V. Ak. Forh.* xvi. 183.
Philippine Isles.

53. ETRICHODIA FUSCIORUS.

Scadra fusciorus, Stal, *Ofv. K. V. Ak. Forh.* xvi. 183.
Ceylon.

54. ETRICHODIA NIGRORufa.

Scadra nigrorufa, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 301.
Japan.

Div. 6.

Adrania, *Stal*, *A. S. E. F. 4me Sér.* iii. 46.

55. *ECTRICHODIA MACRA*.

Adrania macra, *Stal*, *A. S. E. F. 4me Sér.* iii. 46.

a. Wagiau. From Mr. Wallace's collection.

b, c. New Guinea. From Mr. Wallace's collection.

d—g. New Guinea. Presented by W. W. Saunders, Esq.

56. *ECTRICHODIA CYLINDRICA*.

Mas et fem. *Atra, nitens, fere cylindrica; caput subellipticum, prothoracis lobo antico paullo longius; antennæ basi rufæ; connexivum albo maculatum; ventris discus rufus; pedes rufi, graciles. Fœm.—Antennarum articuli 3us et 4us albi, apices versus nigri.*

Male and female. Deep black, smooth, shining, very narrow, nearly cylindrical. Head subelliptical, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular. Eyes slightly prominent. Ocelli not elevated. First joint of the rostrum longer than the second. Antennæ very much longer than the head and the prothorax together, very hairy in the male, first joint red; second very much longer than the first; third and fourth shorter than the first, white in the female, except towards the tip. Fore lobe of the prothorax with a slight longitudinal furrow, shorter than the hind lobe. Scutellum small, excavated. Connexivum with white spots. Legs red, slender; fore femora slightly incrassated; furrow beneath the four anterior tibiæ very short. Fore wings opaque. Length of the body 6—7 lines.

Resembles *E. macra* in structure.

a. Celebes. Presented by W. W. Saunders, Esq.

b. Gilolo. Presented by W. W. Saunders, Esq.

c. Batchian. From Mr. Wallace's collection.

57. *ECTRICHODIA LUTEOATRA*.

Mas. *Atra, glabra, fere linearis, caput ellipticum, prothoracis lobo antico sat longius; rostri articulus 1us luteus, antennæ basi luteæ; prothoracis lobus anticus luteus, pedes breviusculi, sat validi; antici lutei, femoribus basi tibiis apice genubus tarsis nigris.*

Female. Deep black, smooth, shining, nearly linear. Head elliptical, rather longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular, ocelliferous part convex. Eyes very prominent. Rostrum black; first joint luteous, as long as the second. Antennæ black, thickly hairy, longer than the head and the prothorax together, first joint luteous, longer than the ante-ocular head; second as long as the first; fifth much shorter than the second. Prothorax with a well-defined longitudinal furrow; fore lobe luteous, more convex and very little shorter than the hind lobe, which has a well-defined longitudinal furrow on each side. Apical points of the scutellum wide apart. Legs rather short and stout;

62. ECTRICHODIA HÆMATOGASTER.

Reduvius hæmatogaster, *Burm. Meyns Reise*, 425, pl. 51, f. 9—*Larymna hæmatogaster*, *Stål, Ofv. K. V. Ak. Forh.* xvi. 184.

Philippine Isles.

63. ECTRICHODIA AXILLARIS.

Loricerus axillaris, *Costa, Ann. Mus. Zool. Nap.* ii. 79.

Japan.

Div. 8.

Cæcina, *Stål, A. S. E. F. 4me Sér.* iii. 49.

64. ECTRICHODIA SPINULOSA.

Cæcina spinulosa, *Stål, A. S. E. F. 4me Sér.* iii. 48.

Cambodia.

Div. 9.

Antiopa, *Stål, A. S. E. F. 4me Sér.* iii. 47.

65. ECTRICHODIA PUMILA.

Antiopa pumila, *Stål, A. S. E. F. 4me Sér.* iii. 47.

a. Ceylon. Presented by Dr. Templeton.

Div. 10.

66. ECTRICHODIA PYROPHILA.

Mas. Rufa, pubescens; caput fusiforme, prothoracis lobo antico multo longius; oculi prominuli; segmentorum ventralium margines postici punctati; corii discus nigricans, rufo venosus; membrana nigra.

Male. Red, pubescent, shining, fusiform. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular; ocelliferous part not elevated. Eyes prominent. First and second joints of the rostrum about equally long. Antennæ very pilose, much more than half as long as the body; first joint much longer than the head; second shorter than the first; third shorter than the second. Prothorax with a well-defined longitudinal furrow; fore lobe shorter and much narrower than the hind lobe, which is thickly and minutely punctured, and has a longitudinal furrow on each side. Scutellum with two wide-apart apical points. Abdomen beneath punctured along the hind borders of the segments. Legs slender, hairy; furrow beneath the four anterior tibiae elliptical. Corium blackish in the disk, excepting the veins. Membrane black. Length of the body 4 lines.

a. Sarawak. Presented by W. W. Saunders, Esq.

America.

Div. 1.

Zirta, *Stal, Ofv. K. V. Ak. Forh.* xvi. 176—*Ectrichodia*, *Serv. Hist. Hem.* 343.

67. *ECTRICHODIA CRUCIATA*.

Petalochirus cruciatus, *Say, Works ed Leconte*, i. 358—*Ectrychotes bicolor*, *H.-Sch. Wanz. Ins.* viii. 83, pl. 266, f. 822.

a. Indiana. Presented by F. Walker, Esq.

68. *ECTRICHODIA HIRTICORNIS*.

Reduvius hirticornis, *Fabr. Ent. Syst. Suppl.* 544; *Syst. Rhyn.* 269. *Cog. Ill. Ins.* ii. 84, pl. 19, f. 12—*Reduvius analis*, *Pal. Beauv. Ins.* 64. *Hém.* pl. 2, f. 4—*Ectrichodia hirticornis*, *Am. et Serv. Hist. Hem.* 344—*Zirta hirticornis*, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 176.

a. Tessica. Presented by the Rev. H. Clark.

b—e. Rio Janeiro. Presented by W. W. Saunders, Esq.

f—h. ———?

69. *ECTRICHODIA ATRIPENNIS*.

Mac. *Atra*; caput ellipticum, transversè striatum, prothorace longius, luteo trivittatum; oculi prominuli; antennæ pilosæ; prothoracis lobus anticus luteis ramosis luteis; posticus rufus, transversè striatus; scutellum luteo bivittatum; connexivum rufum, perangustum; corium striga basali rufa, guttis duabus luteis.

Male. Black, fusiform, shining. Head elliptical, finely and transversely striated, rather longer than the fore lobe of the prothorax, with three luteous stripes, and with a luteous ocelliferous tubercle; ante-ocular part as long as the post-ocular. Eyes prominent. First joint of the rostrum shorter than the second. Antennæ hairy, much more than half as long as the body; first joint rather shorter than the head; second much longer than the first; third a little longer than the first; fourth as long as the first. Prothorax with a distinct longitudinal furrow; fore lobe much shorter than the hind lobe, with luteous ramifying marks; hind lobe red, finely and transversely striated, with a slight longitudinal furrow on each side. Scutellum with two curved luteous stripes, which include the moderately wide-apart apical points. Connexivum red, very narrow. Legs rather slender; furrow beneath the four anterior tibiae elliptical. Corium with a short red streak, extending along the costa from the base, and with luteous dots, one near the interior angle, the other beyond in the disk. Length of the body 8 lines.

Very nearly allied to *E. hirticornis*.

a. Amazon Region. Presented by W. W. Saunders, Esq.

70. ECTRICHODIA PREVIDA.

Mas. *Rufa; caput subellipticum, prothoracis lobo antico longius, subtus nigrum; scutellum et pectus nigra, illum transverse sulcatum, abdomen basi plagaque subapicali dorsulibus vittisque duabus ventralibus nigris; pedes nigri, graciles; alae anticae fuscae, basi rufae, membranae venis basalibus albidis.*

Male. Red, fusiform, smooth, shining. Head subelliptical, longer than the fore lobe of the prothorax, black on each side and beneath; ante-ocular part longer than the post-ocular; ocelliferous part elevated. Eyes slightly prominent. Rostrum, antennae, scutellum, pectus and legs black. First and second joints of the rostrum nearly equally long. Antennae much longer than the head and the prothorax together; first joint nearly as long as the head; second longer than the first; third shorter than the first; fourth shorter than the third. Prothorax with a slight longitudinal furrow; fore lobe much shorter than the hind lobe. Scutellum transversely furrowed, with two apical points not far apart. Abdomen above black at the base, and with a black subapical patch; under side with two black stripes, which are united near the tip. Legs slender; furrow of the four anterior tibiae very short. Fore wings dark brown, red at the base; veins black, whitish at the base of the membrane. Hind wings paler brown. Length of the body $7\frac{1}{2}$ lines.

a. Oajaca. From M. Sallé's collection.

71. ECTRICHODIA NITIDISSIMA.

Mas et fem. *Rufa; caput conicum, prothoracis lobo antico paullo longius; venter ater, apice rufus; connexivum maris rufum; alae anticae atrae, basi rufae.*

Male and female. Bright red, fusiform, smooth, shining. Head conical, a little longer than the fore lobe of the prothorax; ante-ocular part much longer than the post-ocular; ocelliferous part very convex. Eyes, antennae, abdomen beneath, legs and fore wings deep black, the latter bright red at the base. First joint of the rostrum longer than the second. Antennae longer than the head and the prothorax together; first joint a little longer than the ante-ocular head; second longer than the first; third a little shorter than the second; fourth shorter than the third. Prothorax with an extremely slight longitudinal furrow; fore lobe a little shorter than the hind lobe, which has a furrow on each side. Scutellum short, excavated; the two apical points short, far apart. Abdomen red beneath at the tip. Connexivum of the male red. Furrow of the four anterior tibiae elliptical. Length of the body $7\frac{1}{2}$ —8 lines.

a. Parà. Presented by Sir E. Home.

b. Parà. Presented by R. Graham, Esq.

c. Parà. From Mr. Bates' collection.

d. Ega. From Mr. Bates' collection.

72. *ECTRICHODIA VENUSTA*.

Fœm. *Rufa aut lutea; caput conicum, prothoracis lobo antico longius; prothoracis lobus posticus nigro unimaculatus; abdominis dorsum nigrum; connexivum luteo anguste marginatum; venter nigro fasciatus; pedes sat validi; alæ anticae nigrae, rufo univittatae.*

Female. Red or luteous, smooth, shining, fusiform. Head conical, longer than the fore lobe of the prothorax; ante-ocular part more than twice as long as the post-ocular. Eyes slightly prominent. Rostrum very stout; second joint a little longer than the first. Antennæ black, longer than the head and the prothorax together; first joint as long as the head; second longer than the first, third and following shorter. Prothorax with a slight and very short longitudinal furrow, fore lobe shorter than the hind lobe, which has a very large black spot contiguous to its fore border. Scutellum with a longitudinal furrow, which is black towards the base; the two apical points moderately far apart. Abdomen black above; connexivum narrowly luteous-bordered; under side with black bands, which are dilated on each side. Legs rather stout; furrow of the four anterior tibiae elliptical. Wings black; corium with a red stripe, which extends from the base of the costa to the middle of the exterior border. Length of the body 8 lines.

a. Pernambuco. Presented by — Spooner, Esq.

b. Brazil? From the Zoological Society's collection.

73. *ECTRICHODIA GRANULATA*.

Fœm. *Nigra; caput luteo univittatum, prothoracis lobo antico multo longius; antennæ apices versus albidæ, prothorax scaber, luteo sexmaculatus; venter luteus, nigro latissime marginatus; connexivum luteo anguste marginatum; corium striga basali lutea.*

Female. Black, very elongate-oval, smooth and shining beneath. Head fusiform, with a luteous stripe above, much longer than the fore lobe of the prothorax; ante-ocular part a little longer than the post-ocular. Eyes slightly prominent. First and second joints of the rostrum about equal in length. Antennæ much longer than the head and the prothorax together, inserted at half the length of the ante-ocular part; first joint nearly as long as the head; second longer than the first; third and following joints whitish, shorter than the first; third black towards the base. Prothorax scabrous; fore lobe much shorter than the hind lobe, with a strongly-marked longitudinal furrow, and with two luteous spots on each side; hind lobe with a luteous spot on each side. Scutellum with a longitudinal furrow, the two apical points rather wide apart. Abdomen beneath luteous, very broadly bordered with black. Connexivum with a narrow luteous border. Legs slender; furrow of the fore tibiae elliptical. Corium with a luteous costal basal streak. Length of the body 8 lines.

a. Cuença. From Mr. Fraser's collection.

74. *ECTRICHODIA GENICULOSA*.

Form. *Nigra, nitens; caput fusiforme, prothoracis lobo antico longius; prothorax scaber, lobi postici angulis ferrugineis; ventris discus fulvus; pedes sat graciles; alæ anticae atrae.*

Female. Black, elongate-oval, smooth and shining beneath. Head uniform, rather longer than the fore lobe of the prothorax; ante-ocular part twice as long as the post-ocular. Antennæ a little longer than the head and the prothorax together; first joint nearly as long as the head; second rather longer than the first; third hardly half as long as the second, fourth rather shorter than the third; fifth about half as long as the fourth; sixth, seventh and eighth equal in length, each a little shorter than the fifth. Prothorax scabrous, with rounded and not prominent angles. Fore lobe much shorter than the hind lobe. Hind lobe with ferruginous hind angles. Scutellum furcate at the tip. Abdomen beneath with a tawny disk. Legs rather slender; fore femora hardly stouter than the others, fore tibiae furrowed beneath, and slightly dilated at their tips. The wings deep black. Length of the body 8 lines.

Cuença. From Mr. Fraser's collection.

75. *ECTRICHODIA SPURCA*.

Spurca, Stal, Rio Jan. Hem. 72.

Rio Janeiro.

76. *ECTRICHODIA LUGENS*.

Radavius lugens, Fabr. Syst. Rhyn. 269—Ectrichodia lugens, Stal, Rio Jan. Hem. 72.

Rio Janeiro.

77. *ECTRICHODIA ALBO-ANNULATA*.

Albo-annulata, Stal, Rio Jan. Hem. 72—rubrovenosa var.?

Rio Janeiro.

78. *ECTRICHODIA RUBROVENOSA*.

Rubrovenosa, Stal, Rio Jan. Hem. 72.

Brazil.

Brazil. Presented by F. Walker, Esq.

79. *ECTRICHODIA PALLITARSIS*.

Mas. Picea, longi-elliptica, subtus nigra; caput lanceolatum, thoracis lobo antico paullo longius; oculi valde prominuli; prothorax subsulcatus; connexivum luteo maculatum; femora quatuor anteriora rubincrassata; clavus testaceus.

Male Piceous, smooth, shining, elongate-elliptical, black beneath. Head lanceolate, a little longer than the fore lobe of the prothorax; ante-ocular part very much longer than the post-ocular; ocelliferous part invaginated. Eyes very prominent. First and second joints of the rostrum

85. ECTRICHODIA CIRCUMDUCTA.

Ectrychotes tricolor? H.-Sch. Wanz. Ins. viii. 53, pl. 266, f. 823—*Min-darus circumductus*, Stal, Ofv. K. V. Ak. Forh. xvi. 180.

Brazil.

Div. 3.

Rhiginia, Stal, Ofv. K. V. Ak. Forh. xvi. 181.

86. ECTRICHODIA LATERALIS.

Reduvius lateralis, St. Farg. et Serv. Enc. Méth. Ins. x. 279—*Rhiginia lateralis*, Stal, Ofv. K. V. Ak. Forh. xvi. 181.

Brazil.

87. ECTRICHODIA CRUELIS (his lectum).

Rhiginia crudelis, Stal, Stett. Ent. Zeit. xxiii. 455.

a. Mexico. From M. Hartweg's collection.

b, c. Mexico. From Mr. Argent's collection.

88. ECTRICHODIA AMAZONA.

Rhiginia amazona, Stal, Ofv. K. V. Ak. Forh. xxiii. 302.

Amazon Region.

89. ECTRICHODIA IMMARGINATA.

Rhiginia immarginata, Stal, Ofv. K. V. Ak. Forh. xxiii. 302.

Quito.

Div. 4.

Daraxa, Stal, Ofv. K. V. Ak. Forh. xvi. 181.

90. ECTRICHODIA BASALIS.

Daraxa basalis, Stal, Ofv. K. V. Ak. Forh. xvi. 181.

Surinam.

91. ECTRICHODIA GENICULATA.

Daraxa geniculata, Stal, Ofv. K. V. Ak. Forh. xvi. 181.

Bahia.

92. ECTRICHODIA NIGRIPES.

Daraxa nigripes, Stal, Ofv. K. V. Ak. Forh. xvi. 182.

Monte Video.

Div. 5.

Racelda, Sgnt. A. S. E. F. 4me Sér. iii. 579.

93. ECTRICHODIA ALTERNANS.

Racelda alternans, Sgnt. A. S. E. F. 4me Sér. iii. 579, pl. 11, f. 6.

Chili.

Div. 6.

94. ECTRICHODIA MEDIA.

Mac. *Lutea, subtus nigro bittata; caput subter, scutellum unicolor; macula magna subapicalis nigra; caput ellipticum, prothoracis lobo antico multo longius; prothorax nigra uniplagiatus; pedes postici femoribus basi exceptis tibiis tarsisque nigris; alae antice nigrae.*

Male. Luteous, fusiform, smooth, shining. Head beneath, eyes, rostrum, antennae, scutellum, a broad stripe on each side of the posterior of the ventral segments, a large subapical ventral spot, femora except towards the base, tibiae, tarsi and fore wings black, the latter luteous at the base, and along half the length of the costa. Head elliptical, not longer than the fore lobe of the prothorax; ante-ocular part longer than the post-ocular; ocelliferous part convex. First joint of the rostrum a little shorter than the second, which is luteous towards its tip. Antennae hairy, longer than the head and the prothorax together; first joint longer than the ante-ocular head; second longer than the first; third shorter than the first; fourth shorter than the third. Prothorax with a large black patch and with a distinct longitudinal furrow; fore lobe shorter than the hind lobe, which has a slight longitudinal furrow on each side. Apical points of the scutellum not wide apart. Legs slender; furrow beneath the fore anterior tibiae elliptical. Length of the body 5 lines.

a. New Orleans. From M. Sallé's collection.

Div. 7.

95. ECTRICHODIA TIBIALIS.

Fœm. *Nigra; caput subellipticum, prothoracis lobo antico paulo longius; antennarum articulus 1us basi albus; prothorax tristriatus; connexivum albido maculatum; venter fasciis tribus albidis abbreviatis; pedes breviusculi, femoribus quatuor posterioribus basi albidis, tibiis albo unifasciatis; corium basi luteo notatum.*

Female. Black, subfusiform, smooth, shining. Head subelliptical, a little longer than the fore lobe of the prothorax; ante-ocular part as long as the post-ocular; ocelliferous part very convex. Eyes slightly prominent. First and second joints of the rostrum about equally long. First joint of the antennae white towards the base, longer than the ante-ocular head; second longer than the first. Prothorax with three well-defined longitudinal furrows; fore lobe very little shorter than the hind lobe. Scutellum excavated, with two wide-apart apical points. Abdomen beneath with three dingy whitish abbreviated bands. Connexivum with whitish spots. Legs rather short and stout; four posterior femora whitish towards the base, tibiae with a white band; furrow of the four anterior tibiae elliptical. Corium with a luteous mark at the base of the costa. Length of the body 6 lines.

a. Annam Region. From Mr. Bates' collection.

Genus 2. POTHEA.

Pothea, Serv. *Hist. Hem.* 344. *Stal, Ofv. K. V. Ak. Forh.* xvi. 184.

| | | | | |
|--|---|---|---|------------|
| A. Prothorax wholly red above. | - | - | - | ventralis. |
| B. Prothorax partly yellow. | - | - | - | frontalis. |
| C. Prothorax black, with three yellow streaks. | - | - | - | reciproca. |
| D. Prothorax wholly black. | - | - | - | centralis. |

1. POTHEA VENTRALIS.

Reduvius ventralis, St. Farg. et Serv. *Enc. Méth.* x. 280—*Pothea ventralis*, Serv. *Hist. Hem.* 345.

Cayenne.

2. POTHEA FRONTALIS.

Reduvius frontalis, St. Farg. et Serv. *Enc. Méth.* x. 280—*Pothea frontalis*, Serv. *Hist. Hem.* 345.

Cayenne.

a. Amazon Region. From Mr. Bates' collection.

3. POTHEA AENEONITENS.

aeneonitens, Stal, *A. S. E. F. 4me Sér.* iv. 59.

North America.

4. POTHEA LUGENS.

Reduvius lugens, Fabr. *Syst. Rhyn.* 269—*Pothea lugens*, Stal, *Hem. Fabr.* i. 119.

South America.

5. POTHEA AENESCENS.

Ectrichodia lugens, Stal, *Rio Jan. Hem.* 72—*Pothea aenescens*, Stal, *Hem. Fabr.* i. 119.

Rio Janeiro.

6. POTHEA DICHROA.

dichroa, Stal, *A. S. E. F. 4me Sér.* iv. 59.

Brazil.

7. POTHEA VENOSA.

venosa, Stal, *Ofv. K. V. Ak. Forh.* xvi. 185.

Brazil.

8. POTHEA CENTRALIS.

Mass et form. *Nigra*; abdomen luteum, nigro bivittatum; alae anticae atrae Var. β .—Abdomen rufum, nigro bivittatum. Var. γ .—Var. β . similis; venter nigro fasciatus. Var. δ .—Venter niger, vitta nigra incisa valde abbreviata.

Male and female. Black, smooth, shining, fusiform, excepting the head. Head elongate-fusiform, very slender; ante-ocular part a little

shorter than the post-ocular. Eyes slightly prominent. Antennæ hairy, longer than the head and the prothorax together; first joint longer than the ante-ocular head; second very much longer than the first; third and following joints shorter than the first. Prothorax with a slight and much-abbreviated longitudinal furrow; fore lobe semicircular, shorter than the hind lobe. Abdomen luteous, with a black stripe on each side above and beneath. Fore wings deep black. *Var. β.*—Abdomen red, with two black stripes. *Var. γ.*—Like *var. β.* Abdomen with black bands beneath. *Var. δ.*—Abdomen black beneath, except a luteous notched and much-abbreviated stripe. Length of the body $5\frac{1}{4}$ — $6\frac{1}{2}$ lines.

- a. Columbia. From M. Gondot's collection.
- b. Venezuela. From Mr. Dyson's collection.
- c. Venezuela. From Mr. Birschell's collection.
- d. Amazon Region. From Mr. Bates' collection.
- e. Archidona. From Mr. Stevens' collection.

9. POTHEA RECIPROCA.

Fem. *Nigra; caput longi-fusiforme, luteo tristrigatum, prothoracis lob antico multo longius; connexivum et ventris discus lutea.*

Female. Black, smooth, shining, fusiform, excepting the head. Head elongate-fusiform, very much longer than the fore lobe of the prothorax; with three luteous streaks, one along the inner side of each eye, the third on the middle lobe and nearer the tip; ante-ocular part much shorter than the post-ocular. Eyes slightly prominent. Antennæ longer than the head and the prothorax together, inserted at a little in front of the eyes; first joint a little shorter than the ante-ocular head; second much longer than the first; third shorter than the second; fourth shorter than the third. Prothorax with a slight longitudinal furrow; lobes about equally long. Scutellum with two very short wide-apart apical points. Connexivum and disk of the under side of the abdomen luteous. Legs slender; furrow beneath the four anterior tibiae very short. Length of the body 5 lines.

- a. Brazil. Presented by W. W. Saunders, Esq.

Genus 3. CIMBUS.

Cimbex, Hahn, Wanz. Ins. i. 34. *Burm. Handb. Ent.* ii. 245. *Serv. Hist. Hem.* 388. *Stal. Of. K. V. Ak. Forh.* xvi. 185.

1. CIMBUS PRODUCTUS.

productus, Hahn, Wanz. Ins. i. 34, pl. 6, f. 23. *Burm. Handb. Ent.* ii. 245. *Bauch. Hist. Nat. Ins.* iii. 108. *Serv. Hist. Hem.* 385, pl. 7, f. 6.

Data

Div. 2.

Aphidius, Vayr. Verh. Zool. Bot. Ges. Wien. xv. 440.

2. CIMBUS CORALLINUS.

Sphinctocoria corallinus, *Mahr, Verh. Zool. Bot. Ges. Wien.* xv. 440.
Sunda Isles.

Div. 3.

Labidocoris, *Mayr, Verh. Zool. Bot. Ges. Wien.* xv. 440.

3. CIMBUS ELEGANS.

Labidocoris elegans, *Mayr, Verh. Zool. Bot. Ges. Wien.* xv. 440.

Genus 4. HAMMATOCERUS.

Hammacerus, *De Lap. Hem.*—*Hammatocerus*, *Burm. Handb. Ent.* ii. 235.
Serv. Hist. Hem. 345.

This genus is excluded from the *Ectrichodidae* by Prof. Stal.

1. HAMMATOCERUS PURCIS.

Cimex purcis, *Drury, Ins.* ii. 63, pl. 45, f. 4—*Hammatocerus myethimerus*,
Illig. Burm. Handb. Ent. ii. 236 *H.-Sch. Wanz. Ins.* vi. 104,
pl. 215, f. 675—*Hammatocerus purcis*, *Blanch. Hist. Nat. Ins.* iii.
105. *Serv. Hist. Hem.* 346—*Nabis purcis*, *Say, Works ed. Leconte*,
i. 358.

Georgia.

- a. St. John's Bluff, East Florida. Presented by E. Doubleday, Esq.
- b. Columbia. Presented by W. W. Saunders, Esq.
- c. Columbia. From M. Jurgens' collection.
- d, e. Columbia. From M. Goudot's collection.
- f. Columbia. From Mr. Turner's collection.
- h. Venezuela. From Mr. Birschel's collection.
- i. Pará. From Mr. Bates' collection.
- j. Peru. From M. Degand's collection.
- k. ———? Presented by the Entomological Club.

2. HAMMATOCERUS CONSPICILLARIS.

Cimex conspicillaris, *Drury, Ins.* iii. 64, pl. 45, f. 8—*Hammacerus con-*
spicillaris, *De Lap. Hem.* 79—*Hammatocerus conspicillaris*, *Burm.*
Handb. Ent. ii. 236. *Blanch. Hist. Nat. Ins.* iii. 105. *Serv. Hist.*
Hem. 346—*purcis* var. ?

Cayenne. Rio Janeiro.

- a. Brazil. Presented by the Entomological Club.
- b. Brazil. Presented by W. W. Saunders, Esq.
- c. Brazil. From Mr. Vigors' collection.
- d, e. Tejuca. Presented by J. Gray, Esq.

3. *HANNATOCERUS LUCTUOSUS*.

luctuosus, *Sch.*, *Cof. K. V. d. F.* 237; *Serv. Ent. Zeit.* xiii. 44.
Eschsch.

4. *HANNATOCERUS CINCTIPES*.

cinctipes, *Sch.*, *Cof. K. V. d. F.* 443.
Columbia.

5. *HANNATOCERUS GAYI*.

Gay., *Soc. Fourn. Ch.* 211. *Syn. A. S. E. F.* 4me Sér. iii. 379—
Chierens, *Sch.*, *Cof. K. V. d. F.* 443.
Chir.

6. *HANNATOCERUS MIXTUS*.

mixtus, *Cock.*, *Amer. Mus. Zool. Nat.* ii. 80.
Cayenne?

7. *HANNATOCERUS MINUTUS*.

minutus, *Mayr.*, *Verh. Zool. Bot. Gesell. Wien.* xv. 439.

Fam. 5. APIOMERIDÆ.

Apiomeridæ, *Serv. Hist. Hem.* 350—*Apiomerida* et *Ectinoderida*, *Stal.*,
Berl. Ent. Zeit. iii. 323.

Genus 1. APIOMERUS.

Apiomerus, *Hahn*, *Wanz. Ins.*—*Apiomerus* et *Herega*, *Serv. Hist. Hem.*
 351, 354.

North America.

1. *APIOMERUS CRASSIPES*.

—— *Stoll*, *Pun.* pl. 33, f. 235—*Reduvius crassipes*, *Fabr. Syst. Rh.* 273. *Say*, *Amer. Ent.* ii. pl. 31, f. 4; *Works* ed. *Leconte*, i. 355—
Reduvius linitaris, *Say*, *New Harm. Ind.* 1831, 800; *Works* ed. *Leconte*, i. 355—*Herega rubrolimbata*, *Am. et Serv. Hist. Hem.* 354—
Apiomerus crassipes, *Stal.*, *Hem. Fabr.* i. 117.

Carolina.

Mexico.

2. *APIOMERUS SUBPICUS*.

subpicus, *Stal.*, *Stett. Ent. Zeit.* xxiii. 455.

at Oajaca. From M. Sallé's collection.

at Mexico. Presented by W. W. Saunders, Esq.

3. *APIOMERUS MÆSTUS*.

mæstus, *Stal, Stett. Ent. Zeit.* xxiii. 455.

a. Oajaca. From M. Sallé's collection.

b. Orizaba. From M. Sallé's collection.

4. *APIOMERUS NIGRIPES*.

nigripes, *Stal, Rio Jan. Hem.* 73; *Stett. Ent. Zeit.* xxiii. 455.

Mexico. Rio Janeiro.

5. *APIOMERUS ELATUS*.

elatus, *Stal, Stett. Ent. Zeit.* xxiii. 454.

a, b. Oajaca. From M. Sallé's collection.

c. Orizaba. From M. Sallé's collection.

d. Honduras. From Mr. Dyson's collection.

e. Guatemala. From M. Deby's collection.

f. Rio Janeiro. Presented by J. P. G. Smith, Esq.

g—i. Columbia. From M. Goudot's collection.

j. Brazil.

6. *APIOMERUS PICTIPES*.

pictipes, *H.-Sch. Wanz. Ins.* viii. 75, pl. 273, f. 843—*Herega pictipes*,
Stal, Stett. Ent. Zeit. xxiii. 455.

a, b. Amazon Region. Presented by W. W. Saunders, Esq.

c. Amazon Region. From Mr. Bates' collection.

d. Venezuela. From Mr. Birschell's collection.

e, f. Santarem. From Mr. Bates' collection.

g. Tapayos. From Mr. Bates' collection.

h, i. ———?

West Indies.

7. *APIOMERUS BURMEISTERI*.

Burmeisteri, *Guér. Sagra Hist. Cuba Ins.* 411.

Cuba.

South America.

| | | | | | |
|---|---|---|---|---|--------------------------|
| A. Colour wholly black. | - | - | - | - | <i>hirtipes</i> . |
| B. Colour black, except the sides of the abdomen. | - | - | - | - | <i>piciventris</i> . |
| C. Colour wholly black, except the wings. | - | - | - | - | <i>lanipes</i> . |
| D. Colour wholly black, except the tarsi. | - | - | - | - | <i>tarsalis</i> . |
| E. Colour wholly black, except the legs and the sides of the abdomen. | - | - | - | - | |
| <i>a.</i> Four anterior femora towards the tips and hind legs tawny. | - | - | - | - | <i>circummaculatus</i> . |
| <i>b.</i> Legs black, except about the knees. | - | - | - | - | <i>lateralis</i> . |
| <i>c.</i> Four posterior legs luteous. | - | - | - | - | <i>pulchripes</i> . |

| | | | | | |
|---|---|---|---|---|----------------------|
| F. Colour wholly black, except the legs and the membrane. | | | | | apicalis. |
| G. Head and prothorax black. | | | | | |
| a. Veins at the base of the membrane pale. | - | - | - | - | geniculatus. |
| b. Corium with testaceous speckles. | - | - | - | - | lanipes. |
| c. Corium yellowish. | - | - | - | - | ochropterus. |
| d. Corium bright red. | | | | | |
| * Membrane black. | | | | | |
| † Fore femora black. | - | - | - | - | dotatus. |
| †† Fore femora red. | - | - | - | - | decorus. |
| ** Membrane with white streaks. | - | - | - | - | discistriga. |
| e. Corium with a white mark on the veins. | - | - | - | - | litturatus. |
| f. Corium with a pale dot. | - | - | - | - | bipunctatus. |
| H. Prothorax not wholly black. | | | | | |
| a. Prothorax luteous. | | | | | |
| * Corium black. | - | - | - | - | lobatus. |
| ** Corium luteous towards the base. | | | | | |
| † Pale hue of the corium oblique at the tip. | - | - | - | - | xanthophilus. |
| †† Pale hue of the corium directly truncate at the tip. | - | - | - | - | tripartitus. |
| b. Fore lobe of the prothorax black; hind lobe luteous. | | | | | |
| * Four posterior femora black. | - | - | - | - | pilipes. |
| ** Four posterior femora pale. | | | | | |
| † Knees black. | - | - | - | - | rufipes. |
| †† Knees not black. | - | - | - | - | nigrimanus. |
| c. Prothorax red. | - | - | - | - | erythromelas. |
| * Tibiæ mostly luteous. | | | | | |
| ** Tibiæ black. | - | - | - | - | nitidus. |

8. APIOMERUS HIRTIPES.

———, *Stoll, Pun.* 57, pl. 13, f. 90—*Reduvius hirtipes*, *Fabr. Syst. Rhyn.* 274—*Apiomerus hirtipes*, *Hahn, Wanz. Ins.* i. 29, pl. 4, f. 19. *Burm. Handb. Ent.* ii. 231. *Blanch. Hist. Nat. Ins.* iii. 103. *Serv. Hist. Hem.* 351.

- a. Rio Janeiro. Presented by the Rev. H. Clark.
- b. Tejuca. Presented by J. Gray, Esq.
- c. Brazil.
- d. Venezuela. From Mr. Dyson's collection.
- e. Amazon Region.

9. APIOMERUS LANIPES.

Reduvius lanipes, *Fabr. Syst. Rhyn.* 274. *St. Farg. et Serv. Enc. Meth.* x. 276—*Apiomerus lanipes*, *Ann. et Serv. Hist. Hem.* 352. *Stal, Hem. Fabr.* i. 117.

- a. Columbia. From M. Goudot's collection.
- b. Columbia. Presented by W. W. Saunders, Esq.
- c—e. Brazil.
- f. Cayenne. Presented by W. W. Saunders, Esq.
- g. Venezuela. From Mr. Dyson's collection.
- h. Venezuela. From Mr. Birschell's collection.

10. APIOMERUS PILIPES.

Reduvius pilipes, *Fabr. Mant. Ins.* ii. 309; *Ent. Syst.* iv. 195; *Syst. Rhyn.* 268—*Apiomerus pilipes*, *Burm. Handb. Ent.* ii. 231. *Blanch. Hist. Nat. Ins.* iii. 103. *Serv. Hist. Hem.* 352.

Cayenne.

Var. β . Legs black; fore femora reddish towards the base.

a. Brazil.

b. Rio Janeiro. Presented by J. P. G. Smith, Esq.

c. Villa Nova. From Mr. Bates' collection.

Var. γ . Legs black; femora luteous towards the tips; tibiae luteous at the base.

Var. γ . Like Var. β . Fore femora luteous towards the base.

f. Columbia. From M. Goudot's collection.

Var. δ . Like Var. γ . Fore femora wholly luteous.

g. Amazon Region. From Mr. Bates' collection.

A. Para. Presented by G. Graham, Esq.

A. *nigricollis*, *guttatovenosus* and *rufipes* of Stal seem to be all very nearly allied to this species.

11. APIOMERUS RUFIPES.

rufipes, *Stal, Rio Jan. Hem.* 73.

Rio Janeiro.

12. APIOMERUS GENICULATUS.

geniculatus, *Stal, Rio Jan. Hem.* 73.

Rio Janeiro.

13. APIOMERUS CIRCUMMACULATUS.

circummaculatus, *Stal, Rio Jan. Hem.* 73.

Rio Janeiro.

14. APIOMERUS APICALIS.

apicalis, *Klug, Burm. Handb. Ent.* ii. 232.

Para.

15. APIOMERUS OCHROPTERUS.

flavipennis, *Stal, Ofv. K. V. Ak. Forh.* xii. 188—*ochropterus*, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 249.

Columbia.

16. APIOMERUS LANIUS.

lanius, *Stal, Ofv. K. V. Ak. Forh.* xii. 188; xxiii. 249.

Minas Geraes.

17. *APIOMERUS NIGRICOLLIS*.

nigricollis, *Stal*, *Rio Jan. Hem.* 72.

Rio Janeiro.

18. *APIOMERUS GUTTATOVENOSUS*.

guttatovenosus, *Stal*, *Rio Jan. Hem.* 74.

Rio Janeiro.

19. *APIOMERUS BIPUNCTATUS*.

Mas. *Ater*; *scutellum albo fasciatum*; *pectus albo maculatum*; *femora quatuor posteriora apice albido fulva*; *tibiæ quatuor posteriores basi albidae*; *corium luteo uniguttatum*.

Male. Deep black, fusiform, with the usual structure. Third joint of the antennæ more than twice as long as the first. Scutellum with a silky white band. Pectus with silky white spots on each side. Legs hairy; four posterior femora with whitish tawny tips; four posterior tibiae whitish at the base. Fore wings extending beyond the tip of the abdomen; a luteous dot on the corium near the exterior angle. Length of the body 7—8 lines.

a, b. Tapayos. From Mr. Bates' collection.

c. Santarem. From Mr. Bates' collection.

20. *APIOMERUS NITIDUS*.

Mas. *Rufus*; *caput, femora dimidio basali, tibiæ, tarsi membranaque atra*; *prothoracis lobus anticus flavescens*.

Male. Red, fusiform, smooth, shining. Head, eyes, rostrum, antennæ, femora for half the length from the tips, tibiæ, tarsi and membrane deep black. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular part shorter than the post-ocular. First joint of the rostrum about as long as the second. First joint of the antennæ very short; second much longer than the second and third together. Fore lobe of the prothorax yellowish, hardly half as long as the hind lobe. Legs slender, slightly hairy. Fore wings hardly extending beyond the tip of the abdomen. Length of the body 6½ lines.

a. ———? Presented by W. W. Saunders, Esq.

21. *APIOMERUS ERYTHROMELAS*.

Mas. *Rufus*; *caput, scutellum, abdomen, corium apice membranaque atra*; *tibiæ anticæ et posticæ nigrae, basi rufæ*; *tarsi nigri*.

Male. Bright red, fusiform, smooth, shining. Head, rostrum, antennæ, scutellum, abdomen, corium at the tip and membrane deep black. Third joint of the antennæ nearly twice as long as the second. Fore lobe of the prothorax about half as long as the hind lobe. Abdomen hairy

Legs stout, slightly hairy. Fore tibiae and hind tibiae black, red towards the base; tarsi black. Fore wings extending somewhat beyond the tip of the abdomen. Length of the body 8 lines.

a. Amazon Region. From Mr. Bates' collection.

22. APIOMERUS XANTHOPHILUS.

Mas. *Luteus; caput, tibiae, tarsi membranaceae nigrae; scutellum albo bimaculatum; femora subtuberculata, fusco bifasciata.*

Male. Luteous, fusiform, smooth, shining, with the usual structure. Head, eyes, rostrum, tibiae, tarsi and membrane black. Head about twice as long as the fore lobe of the prothorax; fore lobe half as long as the hind lobe. Scutellum with a silky white spot on each side. Femora slightly tuberculate, with two brown bands; tibiae hairy. Fore wings extending beyond the tip of the abdomen. Length of the body 10 lines.

a. Amazon Region. From Mr. Bates' collection.

23. APIOMERUS LITURATUS.

Fœm. *Ater; prothorax trisulcatus; femora apice, tibia antica basi tibiaeque quatuor posteriores lutea; tibiae intermediae nigro unifasciatae; corii venae ex parte albidae.*

Female. Deep black, fusiform, shining. Head fusiform, very much longer than the fore lobe of the prothorax, which is deeply furrowed in the middle and on each side. Legs hairy; femora luteous at the tips; fore tibiae luteous at the base; four posterior tibiae luteous; middle tibiae with a black band. Veins of the corium partly whitish, forming a zigzag figure. Length of the body 12 lines.

a. Amazon Region. From Mr. Bates' collection.

24. APIOMERUS LATERALIS.

Mas. *Ater; abdomen plagis lateralibus apiceque rufis; femora apice tibiaeque basi rufa.*

Male. Deep black, fusiform, shining, with the usual structure. Second joint of the antennae less than half the length of the third. Abdomen with red patches along each side; tip and the two apical lobes red. Legs hairy; femora red at the tips; tibiae red at the base. Fore wings extending beyond the tip of the abdomen. Length of the body 10 lines.

a, b. Para. From Mr. Bates' collection.

c. Brazil. Presented by W. W. Saunders, Esq.

25. APIOMERUS DECORUS.

Fœm. *Ater; scutellum album; pectus, abdomen et pedes rufi; tibiae nigrae, basi rufae; tibiae posticae dimidio basali tarsique nigrae; corium rufum.*

Female. Deep black, fusiform, smooth, shining, slightly hairy. Second joint of the antennae full half as long as the third. Scutellum snowy white. Pectus and abdomen red. Legs red, stout, hairy; fore

Head black, with narrow white line; eyes black; length of the body 2-3 lines.

a. *Amur*. From Mr. Bates' collection.

26. *APIONIDAE* *APIONIDAE*.

Head 2 lines. Ant. white; outer antennae segs. fuscous; last outer-segment white; inner-segment white; inner-segment white; inner-segment white.

Head 2 lines. Body black, fusiform, smooth, shining. Head fusiform, much longer than the fore lobe of the prothorax; ante-ocular space a little greater than the post-ocular. Third joint of the antennae very short, longer than the second. Prothorax with a slight longitudinal furrow. Fore legs about half as long as the hind legs. Four posterior legs reaching the base and the base of the femora. Four anterior legs reaching the base and the base of the femora. Four anterior legs reaching the base and the base of the femora. Four anterior legs reaching the base and the base of the femora. Length of the body 9-10 lines.

a. *Para*. From Mr. Bates' collection.

b. *Yapoa*. From Mr. Bates' collection.

c. *Amur*. Presented by W. W. Saunders, Esq.

27. *APIONIDAE* *APIONIDAE*.

Head 2 lines. Ant. white; outer antennae segs. fuscous; last outer-segment white; inner-segment white; inner-segment white; inner-segment white.

Male and female. Deep black, elliptical. Abdomen dingy testaceous beneath. Legs hairy; femora with a testaceous apical band; tibia with a testaceous basal band; tarsi testaceous. Membrane and hind wings dark brown. Length of the body 5-6 lines.

a. *Brazil*. Presented by the Entomological Club.

b. *Para*. Presented by W. W. Saunders, Esq.

c, d. *Ega*. From Mr. Bates' collection.

28. *APIONIDAE* *APIONIDAE*.

Head 2 lines. Ant. white; outer antennae segs. fuscous; last outer-segment white; inner-segment white; inner-segment white; inner-segment white.

Male and female. Deep black, fusiform. Head fusiform, much longer than the fore lobe of the prothorax, which is deeply furrowed in the middle and on each side. Abdomen luteous beneath on each side towards the base; sides notched between the segments. Legs hairy; fore coxae, fore trochanters and fore femora red. Apical half of the membrane white. Male - Four posterior femora red; tips black. Length of the body 11 lines.

a. *Yapoa*. From Mr. Bates' collection.

b. *Amur*. Presented by W. W. Saunders, Esq.

c. *Illinois*. Presented by Sir R. Schomburgk.

Div. 2.

Sphodrolestes, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 249.

29. *APIOMERUS VITTATICOLLIS*.

Sphodrolestes vittaticollis, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 249.

North Brazil.

Div. 3.

Calliclopius, *Stal, Hem Fabr.* i. 114.

30. *APIOMERUS NIGRIPES*.

———, *Stoll, Pun.* f. 86—*Cimex nigripes*, *Linn. Syst. Nat.* i. 2, 730—*Cimex hirtipes*, *Deq. Ins.* iii. 344, pl. 35, f. 1—3—*Reduvius crinipes*, *Fabr. Syst. Rhyn.* 273—*Zelus longimanus*, *Fabr. Syst. Rhyn.* 282, 56, pl. 13—*Calliclopius nigripes*, *Stal, Hem. Fabr.* i. 115.

Surinam.

a. Villa Nova. Presented by W. W. Saunders, Esq.

b, c. Villa Nova. From Mr. Bates' collection.

Genus 2. *BEHARUS*.

Beharus, *Serv. Hist. Hem.* 352.

1. *BEHARUS LUNATUS*.

———, *Stoll, Pun.* 57, pl. 13, f. 91—*Reduvius lunatus*, *Fabr. Syst. Rhyn.* 274. *St. Farg. et Serv. Enc.* x. 276—*Apiomerus lunatus*, *Burm. Handb. Ent.* ii. 232.

Cayenne.

a—c. ———?

2. *BEHARUS CYLINDRIPES*.

Reduvius cylindripes, *Fabr. Syst. Rhyn.* 275—*Apiomerus cylindripes*, *Burm. Handb. Ent.* ii. 231—*Beharus cylindripes*, *Stal, Hem. Fabr.* i. 113.

South America.

Div. 2.

Manicocoris, *Stal, Ofv. Vst. Ak. Forh.* xxiii. 247.

3. *BEHARUS RUFIPES*.

Reduvius rufipes, *Fabr. Mant. Ins.* ii. 309; *Ent. Syst.* iv. 197; *Syst. Rhyn.* 270—*Reduvius lunatus*, *Fabr. Syst. Rhyn.* 274—*Apiomerus* (*Beharus*) *lunatus*, *Erich. Schomb. Reuse, Brit. Guiana*, iii. 613—*Apiomerus capucinus*, *H.-Sch. Wanz. Ins.* viii. 76, pl. 274, f. 846—*Manicocoris rufipes*, *Stal, Hem. Fabr.* i. 114.

Cayenne.

a—f. ———?

Genus 3. TRICHOSCELIS.

Trichoscelis, *Serv. Hist. Hem.* 353.

1. TRICHOSCELIS RUFIPES.

Reduvius rufipes, *Fabr. Ent. Syst.* iv. 197; *Syst. Rhyn.* 270.
Cayenne.

2. TRICHOSCELIS FLAVICANS.

Reduvius flavicans, *Fabr. Ent. Syst. Suppl.* 544; *Syst. Rhyn.* 269—*Reduvius serripes*, *Fabr. Syst. Rhyn.* 273—*Reduvius Stollii*, *Lapp. et Serv. Enc. Meth.* x. 276—*Apiomerus Stollii*, *Burm. Handb. Ent.* ii. 232—*Trichoscelis Stollii*, *Serv. Hist. Hem.* 353—*Heniarthes flavicans*, *Stal, Hem. Fabr.* i. 116.

Cayenne.

Div. 2.

Agriocoris, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 247.

4. TRICHOSCELIS ALBOCONSPERSUS.

Harpactor albosparus, *Stal, Ofv. K. V. Ak. Forh.* xi. 238—*Agriocoris alboconspersus*, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 248.

Minas Geraes.

5. TRICHOSCELIS PRODUCTUS.

Heniarthes productus, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 248.

North Brazil.

6. TRICHOSCELIS FLAVIPES.

Reduvius flavipes, *Fabr. Syst. Rhyn.* 277—*Agriocoris flavipes*, *Stal, Hem. Fabr.* i. 115.

South America.

Genus 4. MICRAUCHENIA.

Micrauchenia, *Serv. Hist. Hem.* 352.

1. MICRAUCHENIA LINEOLA.

Reduvius lineola, *Fabr. Ent. Syst.* iv. 201; *Syst. Rhyn.* 276—*Reduvius morbillosus*, *Fabr. Syst. Rhyn.* 275—*Apiomerus morbillosus*, *Burm. Handb. Ent.* ii. 231. *H.-Sch. Wanz. Ins.* vi. 104, pl. 215, f. 674—*Micrauchenia lineola*, *Serv. Hist. Hem.* 354. *Stal, Hem. Fabr.* i. 113.

a. Ega. From Mr. Bates' collection.

b, c. Santarem. From Mr. Bates' collection.

d. Tapayos. From Mr. Bates' collection.

e, f. ———?

Genus 5. PONEROBIA.

Ponerobia, *Serv. Hist. Hem.* 354.

1. PONEROBIA BIPUSTULATA.

——, *Stoll, Puz.* 141, pl. 36, f. 256—*Reduvius bipustulatus*, *Fabr. Sp. Ins.* ii. 379; *Mant. Ins.* ii. 310; *Ent. Syst.* iv. 197; *Syst. Rhyn.* 270—*Apiomerus cylindripes*, *Burm. Handb. Ent.* ii. 1, 231—*Ponerobia rubionotata*, *Serv. Hist. Hem.* 354—*Ponerobia bipustulata*, *Stal, Hem. Fabr.* i. 113.

South America.

Genus 6. ECTINODERUS.

Ectinoderus, *Westw. Ann. Nat. Hist.* ii. 466—*Pristhevarma*, *Serv. Hist. Hem.* 355.

1. ECTINODERUS PHILIPPINENSIS.

Ectinoderus philippinensis, *Westw. Trans. Ent. Soc. Lond.* iv. 121—*Pristhevarma bipunctata*, *Serv. Hist. Hem.* 355.

Java.

a, b. Philippine Isles.

2. ECTINODERUS LONGIMANUS.

Ectinoderus longimanus, *Westw. Trans. Ent. Soc. Lond.* iv. 121, pl. 7, f. 4.

Singapore?

3. ECTINODERUS QUADRIPUNCTATUS.

quadripunctatus, *Stal, Ofv. K. V. Ak. Forh.* xvi. 377.

Philippine Isles.

Fam. 6. HARPACTORIDÆ.

Harpactoridæ, *Serv. Hist. Hem.* 355—*Reduvius*, *Stal, Berl. Ent. Zeit.* iii. 328; *Hem. Afr.* iii. 46—*Hezida*, p., *Stal, Berl. Ent. Zeit.* iii. 328.

Genus 1. CIDORIA.

Cidoria, *Serv. Hist. Hem.* 356.

1. CIDORIA FLAVA.

flava, *Serv. Hist. Hem.* 356, pl. 12. f. 15.

a. Amazon Region. From Mr. Bates' collection.

Genus 2. PRIONOTUS.

Prionotus, *De Lap. Hem. 8. Serv. Hist. Hem. 356.*

- A. Tips of fore femora pale.
- a. Tips of four posterior femora dark.
 - * Abdomen much beyond the fore wings on each side. - *cristatus.*
 - ** Abdomen hardly beyond the fore wings on each side. *modicus.*
 - b. Tips of four posterior femora pale. - - - *xanthopus.*
- B. Tips of fore femora dark.
- a. Lateral spines of the hind lobe of the prothorax directed outward. - - - *noventarius.*
 - b. Lateral spines of the hind lobe of the prothorax directed hindward. - - - *patulus.*

1. PRIONOTUS CRISTATUS.

——— *Stål, Pan. 12, pl. 1, f. 6*—*Cimex cristatus*, *Linn. Amen. vi. 300*—*Cimex carinatus*, *Drury, Ins. ii. 63, pl. 36, f. 6*—*Reduvius serratus*, *Fabr. Syst. Rhyn. 206. St. Farg. et Serv. Enc. x. 277, pl. 121, f. 21*—*Arilus serratus*, *Hahn, Wanz. Ins. i. 33, pl. 6, f. 22. Bern. Handb. Ent. ii. 233*—*Zelus serratus*, *Blanch. Hist. Nat. Ins. iii. 102* (*Prionotus serratus*) *Hem. pl. 2, f. 2*—*Prionotus cristatus*, *Serv. Hist. Hem. 357.*

- a. Tejeira. Presented by Mrs. R. Bennett.
- b. Rio Janeiro. Presented by J. Gray, Esq.
- c. Brazil. Presented by W. W. Saunders, Esq.
- d, e. Brazil.

2. PRIONOTUS NOVENARIUS.

Reduvius novenarius, *Say, Works ed. Leconte, i. 71*—*Nabis novenarius*, *Say, Works ed. Leconte, i. 353.*

- a. Canada. Presented by Dr. Barnston.
- b, c. United States. Presented by W. W. Saunders, Esq.
- d, e. United States. Presented by F. Walker, Esq.

3. PRIONOTUS STRAMINEUS.

Arilus stramineus, *H.-Sch. Wanz. vi. 92, pl. 210, f. 663.*
South America?

4. PRIONOTUS DEPRESSICOLLIS.

depressicollis, *Stål, Ofc. K. Vet. Ak. Forh. xvi. 196.*
Mexico.

5. PRIONOTUS PATULUS.

Form. Niger, cinereo tomentosus; antennae piceae; corium ferrugineum; membrana cinereo-fusca.

Female. Black, with cinereous tomentum, excepting the dorsal disk of the abdomen. Head with a porrect spine on each side behind the antennæ. First joint of the rostrum much shorter than the second. Antennæ piceous. Prothorax with the prominent spine on each side of the hind lobe of the prothorax inclined hindward; crest composed of ten rounded spines. Abdomen rounded and dilated on each side. Legs wholly black. Fore wings ferruginous; membrane and hind wings cinereous-brown. Length of the body 16 lines.

a. Guatemala. From M. Deby's collection.

6. PRIONOTUS MUNDUS.

Mas. *Niger, cinereo tomentosus; antennæ rufæ; femora quatuor posteriora ferruginea, apice picea; tibiæ tarsique fulvæ; corium ferrugineum; membrana aenea.*

Male. Black, elongate-fusiform excepting the head, with cinereous tomentum. Head subcylindrical, with a porrect spine on each side behind the antennæ. First joint of the rostrum much longer than the second. Antennæ red. Hind lobe of the prothorax slightly dentate on each side; crest composed of twelve rounded teeth, of which the sixth is very small. Abdomen extending very little on each side beyond the fore wings. Tibiæ and tarsi tawny. Four posterior femora ferruginous; tips piceous. Corium ferruginous. Membrane æneous. Length of the body 12 lines.

a. Venezuela. From Mr. Birschell's collection.

7. PRIONOTUS XANTHOPUS.

Mas. *Niger, cinereo tomentosus; caput antice rufum; antennæ dimidio basali rufæ; prothoracis lobus posticus rufescens; tibiæ, tarsi, femora apice, femora antica basi coxæque anticae lutea; corium ferrugineum; membrana viridi nigra.*

Male. Black, elongate-subfusiform excepting the head, with cinereous tomentum. Head cylindrical, red in front of the antennæ, behind each of which there is a short porrect spine. Rostrum red; first joint much longer than the second. Antennæ red along half the length from the base. Hind lobe of the prothorax reddish; crest composed of eleven black rounded teeth. Abdomen reflexed and extending rather beyond the fore wings on each side. Tibiæ, tarsi, femora at the tips, fore femora at the base and fore coxæ luteous. Corium ferruginous. Membrane greenish black. Length of the body 12 lines.

a. Amazon Region. From Mr. Bates' collection.

Genus 3. YOLINUS.

Yolinus, *Serv. Hist. Hem.* 358. *Dohrn, Ent. Zeit. Stett.* xx. 94.

1. YOLINUS SUFFLATUS.

sufflatus, *Serv. Hist. Hem.* 358, pl. 6, f. 9. *Dohrn, Stett. Ent. Zeit.* xx. 95. Java.

a. Sarawak. Presented by W. W. Saunders, Esq.

2. *YOLINUS BARO*.

baro, *Stal, A. S. E. F. 4me Sér.* iii. 32.

a. Cambodia. From M. Mouhot's collection.

3. *YOLINUS INEPTUS*.

ineptus, *Stal, A. S. E. F. 4me Sér.* iii. 33.

Siam.

a. Cambodia. Presented by W. W. Saunders, Esq.

b, c. Cambodia. From M. Mouhot's collection.

4. *YOLINUS AMPLIVENTRIS*.

ampliventris, *Stal, A. S. E. F. 4me Sér.* iii. 32.

a. Tondano. Presented by W. W. Saunders, Esq.

5. *YOLINUS GLAGOVIA*.

Glagovia, *Dohrn, Stett. Ent. Zeit.* xx. 95.

Celebes.

6. *YOLINUS RUBRIFER*.

Mas. Niger; antennæ apices versus ferrugineæ, articulo 1o rufo-bifasciato, 2o luteo-unifasciato; prothoracis lobus posterior cano tomentosus; abdominis lobi laterales ex parte rufi; tibiæ apices versus tarsique lutei.

Male. Black. Antennæ ferruginous towards the tips; first joint with two red bands; second with a luteous band. Hind lobe of the prothorax with hoary tomentum. Abdomen not notched between the five foliaceous lobes on each side; of these the third, fourth and fifth and part of the second are red and semihyaline. Tibiæ towards the tips and tarsi luteous, the latter piceous at the tips. Length of the body $10\frac{1}{2}$ lines.

It may be distinguished from *Y. Glagovia* by the red line on both surfaces of the sides of the abdomen, and by the wholly black femora.

a, b. Celebes. Presented by W. W. Saunders, Esq.

7. *YOLINUS ALBIGUTTA*.

Mas. Luteus; scutellum, abdomen, pedes et corium nigra, hoc albo bimaculatum; coxæ fultæ; femora antica ferruginea; membrana fusca.

Male. Luteous, fusiform, excepting the head. Head much shorter than the prothorax, ante-ocular part a little shorter than the post-ocular. First joint of the rostrum much shorter than the second. Fore lobe of the prothorax very much shorter than the hind lobe, slightly tuberculate on each side of the longitudinal furrow. Hind lobe with rounded and slightly prominent side angles. Scutellum, abdomen, legs and fore wings black. Abdomen foliaceous and elevated on each side, where it appears a little

beyond the fore wings. Coxæ tawny. Fore femora ferruginous. Tibiæ with short hairs. Corium with a snow-white spot on each side near the tip. Membrane brown. Length of the body 7 lines.

a. Cambodia. Presented by W. W. Saunders, Esq.

8. *YOLINUS HORRENDUS*.

Mas. *Testaceus; caput antice nigrum; antennæ nigrae, articulo 1o albo-bifasciato; venter niger, basi apice et connexivo testacea, lateribus albo guttatis; femora quatuor anteriora nigricantia, basi apiceque testacea, femora postica nigro bifasciata; tibiæ apices versus tarsi-que nigra; corium piceum, membrana cyanea.*

Male. Testaceous, elongate-fusiform, excepting the head. Head excepting the postocular part hindward, rostrum and antennæ black. Head as long as the prothorax; ante-ocular part lanceolate, somewhat shorter than the post-ocular. First joint of the rostrum hardly half as long as the second. Antennæ very slender; first joint as long as the head, with two white bands; second a little more than half as long as the first; third very much longer than the first. Fore lobe of the prothorax more convex than the hind lobe and hardly half as long. Abdomen beneath black, excepting the base, the tip and the connexivum; a row of white ventral dots on each side; connexivum with foliaceous and elevated segments. Legs pubescent; four anterior femora blackish in the middle part; hind femora with two black bands; tibiæ towards the tips and tarsi black. Corium piceous. Membrane blue. Length of the body 13 lines.

a. Sarawak. Presented by W. W. Saunders, Esq.

9. *YOLINUS SIAMICUS*.

Fœm. *Niger; antennarum articulus 1us luteo bifasciatus; membrana nigricans.*

Female. Black. Head longer than the prothorax; ante-ocular part elongate-conical, much shorter than the post-ocular. First joint of the antennæ with two luteous bands. Fore lobe of the prothorax with a longitudinal furrow on the hind part, more convex than the hind lobe and about half as long. Abdomen on each side much elevated and dilated, and with foliaceous lobes. Femora slightly tuberculated. Fore wings extending beyond the tip of the abdomen. Membrane and hind wings blackish; veins black. Length of the body 9 lines.

a. Siam. Presented by W. W. Saunders, Esq.

Genus 4. *EULYES*.

Eulyes, *Serv. Hist. Hem.* 359. *Dohrn, Ent. Zeit. Stett.* xx. 93.

1. *EULYES AMœNA*.

amœna, *Serv. Hist. Hem.* 359, pl. 6, f. 10. *Dohrn, Stett. Ent. Zeit.* xx.

93—*Reduvius amœnus*, *Gûér. Icon. R. Anim.* 350, pl. 58, f. 17—

Arlus amœnus, *H.-Sch. Wanz. Ins.* vi. 91, pl. 210, f. 682.

- a. Java. From Mr. Melly's collection.
 b, c. Java. Presented by J. C. Bowring, Esq.
 d. Java. Presented by J. Wilson, Esq.
 e. Mount Ophir. Presented by W. W. Saunders, Esq.

2. EULYES ILLUSTRIS.

illustris, *Stål*, *A. S. E. F. 4me Sér.* iii. 72.

- a. Philippine Isles. From Mr. Cuming's collection.

3. EULYES DOHRNI.

Dohrni, *Sgnt.* *A. S. E. F. 4me Sér.* ii. 126.

Cochin China.

4. EULYES DOHRNI (his lectum).

Dohrni, *Stål*, *A. S. E. F. 4me Sér.* vii. 32.

Deccan. Shunghai.

5. EULYES MELANOPTERA.

melanoptera, *Dohrn*, *Ent. Zeit. Stett.* xx. 94.

- a. Philippine Isles. From Mr. Cuming's collection.

6. EULYES PRECIOSA.

preciosa, *Dohrn*, *Ent. Zeit. Stett.* xx. 94.

This may be a variety of *E. amœna*.

Java.

- a. Sarawak. From Mr. Wallace's collection.

Genus 5. SYCANUS.

Sycanus, *Serv. Hist. Hem.* 360. *Dohrn*, *Ent. Zeit. Stett.* xx. 96.

1. SYCANUS COLLARIS.

——, *Stoll*, *Pun.* 152, 163, pl. 38, f. 275; pl. 41, f. 295—*Reduvius collaris*, *Fabr. Ent. Syst.* iv. 202—*Zelus collaris*, *Fabr. Syst. Rhyn.* 285—*Reduvius longicollis*, *St. Farg. et Serv. Enc.* x. 276—*Arilus collaris*, *Burm. Handb. Ent.* ii. 360. *H.-Sch. Wanz. Ins.* viii. 37, pl. 263, f. 813—*Sycanus collaris*, *Serv. Hist. Hem.* 360. *Dohrn*, *Ent. Zeit. Stett.* xx. 98.

Java.

- a, b. China. Presented by Major-Gen. Hardwicke.
 c. China. Presented by M. Serville.
 d. China. Presented by G. T. Lay, Esq.
 e, f. Hong Kong. Presented by J. C. Bowring, Esq.
 h. Siam. Presented by W. W. Saunders, Esq.
 i, j. Singapore. Presented by W. W. Saunders, Esq.
 k, l. Malacca. Presented by W. W. Saunders, Esq.

- m. Sarawak. Presented by W. W. Saunders, Esq.
- n. Hindostan. Presented by J. C. Bowring, Esq.
- o. Tenasserim. Presented by J. C. D. V. Packman, Esq.
- p. Penang. Presented by J. C. Bowring, Esq.
- q. Ceylon. From Major Parry's collection.

2. SYCANUS BIFIDUS.

- Reduvius bifidus*, *Fabr. Ent. Syst.* iv. 204—*Cimex bifidus*, *Donov. Ins. China*, 50, pl. 21, f. 5—*Zelus bifidus*, *Fabr. Syst. Rhyn.* 285—*Sycanus bifidus*, *Dohrn, Ent. Zeit.* xx. 97. *Stal, Hem. Fabr.* i. 110.
- a. China. Presented by M. Serville.

3. SYCANUS VERSICOLOR.

- versicolor*, *Dohrn, Stett. Ent. Zeit.* xx. 98.
Bengal.

4. SYCANUS STALI.

- Stali*, *Dohrn, Stett. Ent. Zeit.* xx. 96—*generosus*, *Stal, A. S. E. F. 4me Sér.* iv. 58.
- a. Philippine Isles. From Mr. Cuming's collection.

5. SYCANUS CROCEOVITTATUS.

- croceovittatus*, *Dohrn, Stett. Ent. Zeit.* xx. 97.
- a. China. Presented by G. T. Lay, Esq.
 - b. China. Presented by J. C. Bowring, Esq.
 - c. Hindostan. From Archdeacon Clark's collection.

6. SYCANUS RECLINATUS.

- reclinatus*, *Dohrn, Stett. Ent. Zeit.* xx. 98.
Ceylon.

7. SYCANUS ANNULICORNIS.

- annulicornis*, *Dohrn, Stett. Ent. Zeit.* xx. 98.
Java.

8. SYCANUS FULVICORNIS.

- fulvicornis*, *Dohrn, Stett. Ent. Zeit.* xx. 99.
- a. Philippine Isles. From Mr. Cuming's collection.

9. SYCANUS MARGINIVENTRIS.

- marginiventris*, *Dohrn, Stett. Ent. Zeit.* xx. 99.
Manilla.

10. SYCANUS FUSCIROSTRIS.

fuscirostris, *Dohrn, Stett. Ent. Zeit.* xx. 99.

China.

11. SYCANUS CARDINALIS.

cardinalis, *Stal, A. S. E. F. 4me Sér.* iii. 34.

a. Philippine Isles. From Mr. Cuming's collection.

12. SYCANUS FALLENI.

Falleni, *Stal, A. S. E. F. 4me Sér.* iii. 34.

Cambodia.

13. SYCANUS VILLICUS.

villicus, *Stal, A. S. E. F. 4me Sér.* iii. 34.

Birmah.

a. Cambodia. Presented by W. W. Saunders, Esq.

b. Cambodia. From M. Mouhot's collection.

14. SYCANUS PYRRHOLOMUS.

pyrrholomus, *Stal, A. S. E. F. 4me Sér.* iv. 58.

Philippine Isles.

15. SYCANUS BLENNUS.

blennus, *Stal, A. S. E. F. 4me Sér.* iii. 35.

a. Celebes. Presented by W. W. Saunders, Esq.

16. SYCANUS INDAGATOR.

indagator, *Stal, A. S. E. F. 4me Sér.* iii. 75.

Hindustan.

17. SYCANUS SEMPERI.

Semperi, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 681.

Philippine Isles.

18. SYCANUS GIBBER.

gibber, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 682.

Philippine Isles.

19. SYCANUS CINCTICORNIS.

cincticornis, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 682.

Philippine Isles.

20. *SYCANUS ANNULOSUS*.

annulosus, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 682.
Philippine Isles

21. *SYCANUS ATROCERULEUS*.

atroceruleus, *Sgt. A. S. E. F. 4me Sér.* ii. 126.
Cochin China.

22. *SYCANUS TRICOLOR*.

tricolor, *Mayr, Verh. Zool. Bot. Gesell. Wien*, xv. 436.
Java.

23. *SYCANUS HARPACTOIDES*.

harpactoides, *Sgt. A. S. E. F. 3me Sér.* viii. 964. *Stal, Hem. Afr.* iii.
72.
Madagascar.

Div. 2.

Phemius, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 200.

24. *SYCANUS TIBIALIS*.

Beduvius tibialis, *Westw. Proc. Zool. Soc.* v. 130—*Phemius tuberculiger*,
Stal, Ofv. K. V. Ak. Forh. xvi. 200—*Phemius consobrinus*, *Stal*,
A. S. E. F. 4me Sér. iii. 33—*Phemius tibialis*, *Stal, Ofv. K. V. Ak.*
Forh. xxvii. 683.

a—d. Philippine Isles. From Mr. Cuming's collection.

e. Philippine Isles. Presented by J. C. Bowring, Esq.

25. *SYCANUS RUBRIPENNIS*.

Phemius rubripennis, *Mayr, Verh. Zool. Bot. Gesell. Wien*, xv. 437.
Philippine Isles.

Div. 3.

Parnialus, *Stal, A. S. E. F. 4me Sér.* iii. 33.

26. *SYCANUS DEPRESSUS*.

Parnialus depressus, *Stal, A. S. E. F. 4me Sér.* iii. 34.
a. Hindostan. From Mr. Stevens' collection.

Div. 4.

Arceus, *Stal, A. S. E. F. 4me Sér.* iii. 35.

27. *SYCANUS SEVERUS*.

Arceus severus, *A. S. E. F. 4me Sér.* iii. 36.
a. Batohian. From Mr. Wallace's collection.

28. SYCANUS LURCO.

Arcesius lurco, Stal, *A. S. E. F.* 4^{me} Sér. iii. 36.

Wagion.

29. SYCANUS ANGULIFER.

Fœm. *Niger*; *rostrum apicem versus rufum*; *antennarum articulus 1^{us} rufus, apice niger*; *scutelli spina furcata*; *connexivum valde dilatatum*; *corium rufo subfasciatum*; *membrana fusca*.

Female. Black. Head much longer than the prothorax; ante-ocular part lanceolate, much shorter than the post-ocular. Rostrum red towards the tip. First joint of the antennæ red, black at the tip. Fore lobe of the prothorax with three furrows, more convex than the hind lobe and less than half as long; hind lobe very finely punctured. Scutellum with a long erect forked spine. Connexivum much dilated and ascending. Corium with a red irregularly triangular apical band. Membrane brown. Length of the body 11 lines.

a. Sarawak. Presented by W. W. Saunders, Esq.

30. SYCANUS INCISUS.

Fœm. *Niger*; *rostrum apicem versus rufum*; *scutelli spina furcata*; *connexivum apud medium valde dilatatum*; *corium rufum*; *membrana pallide flavesciente cinerea*.

Female. Black. Head longer than the prothorax; ante-ocular part elongate-conical, much shorter than the post-ocular. Rostrum red towards the tip. Prothorax very finely punctured, with an excavation on the suture between the lobes; fore lobe more convex than the hind lobe and about half as long. Scutellum with a long erect forked spine. Connexivum in the middle much dilated and elevated, the dilated part bidentate. Corium red. Membrane pale yellowish cinereous. Length of the body 9 lines.

a. Celebes. Presented by W. W. Saunders, Esq.

31. SYCANUS LEUCOMESUS.

Fœm. *Niger*; *antennæ apices versus piceæ, articulo 1^o rufo-bifasciato*; *scutelli spina longa*; *abdomen cyanescente nigrum, punctis subtus albis marginalibus*; *corium luteum, basi nigrum*; *membrana lurida*.

Female. Black. Head longer than the prothorax; ante-ocular part elongate-conical, much shorter than the post-ocular. Antennæ piceous towards the tips; first joint with two red bands. Prothorax very finely punctured, with an excavation on the suture between the two lobes; fore lobe less than half as long as the hind lobe. Scutellum with a long erect spine. Abdomen bluish black, with a row of white points along each side beneath; connexivum much dilated and elevated in the middle on each side. Corium luteous except at the base. Membrane lurid. Length of the body 11 lines.

a. Burmah. Presented by W. W. Saunders, Esq.

32. *SYCANUS MARGINATUS*.

Mas. *Niger, cinereo tomentosus; scutelli spina brevis, lata, apice bilobata; connexivum rufum, subdilatatum; femora apices versus flavo unifasciata; alæ anticae nigricantes; corii striga subcostalis sordide testacea.*

Male. Black, with cinereous tomentum, fusiform, excepting the head. Head nearly linear, as long as the prothorax; ante-ocular part somewhat shorter than the post-ocular. Ocelli near the hind side of the eyes, not elevated. Fore lobe of the prothorax with a longitudinal furrow, more convex than the hind lobe and about half as long; hind lobe very finely scabrous. Scutellum with a short broad erect spine, whose tip forms two rounded lobes. Connexivum red, elevated, slightly dilated and rounded. Femora with a yellow band near the tip. Corium and membrane blackish, the former with a dingy testaceous subcostal streak. Length of the body 10 lines.

s. Timor. Presented by W. W. Saunders, Esq.

33. *SYCANUS PYRRHOMELAS*.

Fœm. *Rufus; caput, abdominis discus pedesque nigra; scutelli spina robusta, brevissima; membrana fusca.*

Female. Bright red, pubescent. Head, rostrum towards the base, antennæ, disk of the abdomen and legs black. Head very much longer than the prothorax; ante-ocular part much shorter than the post-ocular. Fore lobe of the prothorax with an excavation in the middle of the hind border, more convex and much shorter than the finely punctured hind lobe. Spine of the scutellum erect, stout, very short. Membrane and hind wings brown. Length of the body 7 lines.

s. Hindostan. Presented by W. W. Saunders, Esq.

34. *SYCANUS SEMIMARGINATUS*.

Mas. *Niger, prothoracis margo posticus tenuiter testaceus; scutelli spina robusta; connexivi segmenta testaceo fasciata; coxæ testaceæ.*

Male. Black, fusiform, excepting the head. Head nearly linear, a little longer than the prothorax; ante-ocular part much shorter than the post-ocular. Fore lobe of the prothorax slightly and obliquely striated, more convex than the hind lobe and less than half as long, hind lobe very finely scabrous, narrowly testaceous along the hind border and on each side behind the angle. Scutellum with a stout erect spine. Connexivum dilated, rounded, ascending, each segment with a testaceous band, which is dilated at each end. Coxæ testaceous. Length of the body 10 lines.

The specimen described has no wings.

s. Silhet. Presented by J. C. Bowring, Esq.

35. SYCANUS MILES.

Fœm. *Niger*; *rostrum apicem versus rufum*; *prothoracis lobus anticus rufus, posticus postice rufo marginatus*; *scutelli spina rufa, brevis, valida, apice nigra*; *pectus rufo quadriplagiatus, antice rufum*; *venter rufo bivittatus*; *connexivum rufo fasciatum*; *coxa rufa*; *corium rufo latissime fasciatum*; *membrana nigricante fusca.*

Female. Black. Head somewhat longer than the prothorax; ante-ocular part lanceolate, much shorter than the post-ocular. Rostrum red towards the tip. Fore lobe of the prothorax red, with an excavation in the middle of the hind border, much shorter and more convex than the hind lobe, which is finely punctured and is bordered hindward with red. Scutellum with a red erect short stout spine, whose tip is black. Pectus with two red patches on each side; fore tibiae wholly red. Abdomen beneath with two red stripes; connexivum dilated, ascending, with red bands. Coxa red. Corium red beyond the middle, except at the tip. Membrane blackish brown. Length of the body $8\frac{1}{2}$ lines.

a, b. Penang. Presented by J. C. Bowring, Esq.

36. SYCANUS TURBIDUS.

Fœm. *Niger*; *rostrum rufum*; *antennarum articulus 1us rufus, apice niger*; *prothorax cinereo tomentosus*; *scutelli spina longa*; *connexivum valde dilatatum*; *corium apice luteo fasciatum*; *membrana lurido-cinerea.*

Female. Black. Head longer than the prothorax; ante-ocular part lanceolate, rather shorter than the post-ocular. Rostrum red. First joint of the antennæ red, black at the tip. Prothorax with cinereous tomentum; fore lobe with three furrows, less than half as long as the hind lobe, which is very finely punctured. Scutellum with a long erect spine. Connexivum much dilated and ascending. Corium with a luteous band along the exterior border. Membrane lurid-cinereous. Length of the body 8 lines.

a. Sarawak. From Mr. Wallace's collection.

37. SYCANUS CALIGINOSUS.

Fœm. *Niger*; *rostrum rufum*; *antennarum articulus 1us rufus, apice niger*; *scutelli spina brevis, valida, obtusa*; *abdomen rugulosum, lateribus valde dilatatis*; *corii margo exterior fulvus*; *membrana pallide cinerea.*

Female. Black. Head much longer than the prothorax; ante-ocular part much shorter than the post-ocular. Rostrum red. First joint of the antennæ red, black at the tip. Fore lobe of the prothorax with three excavations, much more convex than the finely punctured hind lobe, and about half as long. Scutellum with an erect obtuse stout short spine. Abdomen rugulose; sides rounded, ascending and much dilated. Corium tawny along the exterior border. Membrane pale cinereous. Length of the body 9 lines.

a. Philippine Isles. From Mr. Cuming's collection.

38. *SYCANUS INVISUS*.

Fœm. *Niger*; *rostrum apicem versus rufum*; *antennarum articulus 1us rufo bifasciatus*; *scutelli spina sat longa*; *venter carinatus, lateribus dilatatus*; *corium rufo latissime fasciatum*.

Female. Black. Head much longer than the prothorax; ante-ocular part much shorter than the post-ocular. Rostrum red towards the tip. First joint of the antennæ with two red bands. Fore lobe of the prothorax with an excavation in the middle of the hind border, more convex than the hind lobe and about half as long. Scutellum with an erect moderately long spine. Abdomen keeled beneath, dilated, rounded and ascending on each side. Corium red on the outer half, except at the tip. Membrane brown. Length of the body 8 lines.

a. Java. From the collection of the East India Company.

Div. 5.

Pantoleistes, *Stal, Ofv. K. V. Ak. Forh. x. 262. Hem. Afr. iii. 73.*

39. *SYCANUS PRINCEPS*.

Pantoleistes princeps, *Stal, Ofv. K. V. Ak. Forh. xii. 41. Hem. Afr. iii. 73. Natal.*

40. *SYCANUS DUX*.

Pantoleistes dux, *Stal, Ofv. K. V. Ak. Forh. xvi. 200. Cape Palmas.*

Genus 6. *PRISTHESANCUS*.

Pristhesancus, *Serv. Hist. Hem. 360.*

1. *PRISTHESANCUS DORYCUS*.

Reduvius Dorycus, *Boisd. Voy Astrol. ii. 644, pl. 2, f. 22—Pristhesancus Dorycus*, *Serv. Hist. Hem. 361.*

New Guinea.

2. *PRISTHESANCUS ZETTERSTEDTI*.

Zetterstedti, *Stal, Ofv. K. Vet. Ak. Forh. xvi. 376. Stett. Ent. Zeit. xxii. 134.*

North Hindostan.

3. *PRISTHESANCUS PAPUENSIS*.

Papuensis, *Stal, Stett. Ent. Zeit. xxii. 134—Dorycus? Boisd. New Guinea.*

4. PRISTHESANCUS PHEMIODES.

pheimiodes, *Stal*, *A. S. E. F. 4me Sér.* iii. 29.

a. Philippine Isles. From Mr. Cuming's collection.

5. PRISTHESANCUS CONGREX.

congrex, *Stal*, *A. S. E. F. 4me Sér.* iii. 29.

a. Philippine Isles. From Mr. Cuming's collection.

6. PRISTHESANCUS FUSCIFER.

fuscifer, *Stal*, *A. S. E. F. 4me Sér.* iii. 29.

a. Philippine Isles. From Mr. Cuming's collection.

Div. 2.

Lanittus, *Stal*, *Stett. Ent. Zeit.* xxii. 133.

7. PRISTHESANCUS VULNERANS.

Lanittus vulnerans, *Stal*, *Stett. Ent. Zeit.* xxii. 134.

Aru.

8. PRISTHESANCUS ALBIPENNIS.

Fœm. *Fulvus*; rostrum flavum; prothoracis lobus anticus bispinosus quadrituberculatus; lobi postici anguli subacuti valde prominuli; scutelli spina cylindrica, obtusa; abdomen cyaneum; corium album membrana diaphana.

Female. Tawny, elongate-fusiform, excepting the head. Head cylindrical, a little shorter than the prothorax; ante-ocular part rather shorter than the post-ocular. Rostrum and legs yellow. First joint of the rostrum much shorter than the second. Fore lobe of the prothorax very much shorter than the hind lobe, with two cylindrical obtuse spines and with four anterior tubercles. Hind lobe with the side angles very prominent and slightly acute. Scutellum with a spine like those of the fore lobe. Abdomen blue, extending just beyond the fore wings on each side. Corium white. Membrane pellucid. Length of the body 10 lines.

a. Wagiau. Presented by W. W. Saunders, Esq.

9. PRISTHESANCUS FLAGIPENNIS.

Mas. *Niger*, sat angustus, cinereo pubescens; rostrum et antennis lutea; prothoracis lobus anticus ferrugineus, bituberculatus; lobus posticus sextuberculatus; scutelli tuberculum sat altum, abdomen ferrugineum, disco dorsali ex parte nigricante; femora nigra; tibiae tarsique picea, illarum basi coraque testacea; corium testaceum, piceo uniplagiatum; membrana albida.

Male. Black, rather narrow, with cinereous down, widening slightly hindward. Head cylindrical, much shorter than the prothorax; ante-

ocular part much shorter than the post-ocular. Rostrum and antennæ luteous. Fore lobe of the prothorax ferruginous, very much shorter than the hind lobe, with three tubercles on each side, the hind pair very much higher than the others. Hind lobe very finely punctured, with three tubercles on each side. Scutellum with a high erect tubercle, as long as those on the fore lobe. Abdomen ferruginous, partly blackish in the disk above; connexivum slightly dilated, rounded, elevated. Femora black; tibiæ and tarsi piceous, the former towards the base and coxæ testaceous. Corium testaceous, with a large piceous patch adjoining the outer border. Membrane and hind wings whitish. Length of the body 9 lines.

a. Richmond River, Australia. From Mr. Leycester's collection.

10. *PRISTHESANCUS LUTEICOLLIS*.

Fœm. *Piceus*, cinereo tomentosus; rostrum luteum, apice piceum; antennæ luteæ, apices versus piceæ; prothoracis lobus anticus duodecim tuberculatus; lobus posticus sex tuberculatus; scutelli spina sat longa, apice rotundata; venter nonnunquam ferrugineus; pedes lutei; corium basi pallide flavescens; membrana pallide cinerea.

Female. Piceous, very elongate-subpyriform, with cinereous tomentum. Head much shorter than the prothorax; ante-ocular part much shorter than the post-ocular. Rostrum luteous, piceous at the tip, first joint much shorter than the second. Antennæ luteous, piceous towards the tips. Fore lobe of the prothorax very much shorter than the hind lobe, with three tubercles on each side of the disk, two near the fore border, two in the middle, and two much higher than the others and near the hind border. Hind lobe with three rounded prominent tubercles on each side. Scutellum with an erect rounded moderately long spine, tip obliquely ascending. Abdomen sometimes ferruginous beneath. Connexivum rounded and much dilated. Legs luteous. Corium pale yellowish towards the base. Membrane pale cinereous. Length of the body 11 lines.

a, b. Moreton Bay. Presented by — Gibbons, Esq.

Genus 7. *HELONOTUS*.

Helonotus, *Serv. Hist. Hem.* 361.

1. *HELONOTUS TUBERCULATUS*.

Reduvius tuberculatus, *Guér. Voy. aut. du Monde* 179. *Atlas*, pl. 12, f. 17—*Helonotus tuberculatus*, *Serv. Hist. Hem.* 362.

- a, b. New Guinea. Presented by W. W. Saunders, Esq.
- c. New Guinea. From Mr. Wallace's collection.
- d. Mysol. From Mr. Wallace's collection.
- e. Wagiau. Presented by W. W. Saunders, Esq.
- f. Australia. From Mr. Macgillivray's collection.

Genus 8. STHIENARA.

Sthienera, *Spin. Ess. Hem.*—*Piezopleura*, *Serv. Hist. Hem.* 362.

1. STHIENERA ANGULOSA.

Reduvius angulosus, *St. Farg. et Serv. Enc. x.* 277—*Arilus angulatus*, *Burm. Handb. Ent.* ii. 229. *Hahn, Wanz. Ins.* iii. 21 (*Arilus quadratus*), pl. 80, f. 245—*Piezopleura angulosa*, *Serv. Hist. Hem.* 362.

- a. Rio Janeiro. Presented by W. W. Saunders, Esq.
- b. Brazil. Presented by W. W. Saunders, Esq.
- c. ———? From Mr. Vigors' collection.

2. STHIENERA ALBOSPARSA.

Harpactor albosparsus, *Stal, Ofv. K. V. Ak. Forh.* xi. 238.
Minas Geraes.

3. STHIENERA ARMIPES.

Harpactor armipes, *Stal, Ofv. K. V. Ak. Forh.* xii. 189.
Ceylon.

4. STHIENERA DISTINGUENDA.

distinguenda, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 196.
Brazil.

Genus 9. MONTINA.

Montina, *Serv. Hist. Hem.* 363.

1. MONTINA SINUOSA.

Reduvius sinuosus, *St. Farg. et Serv. Enc. x.* 277—*Montina sinuosa*, *Serv. Hist. Hem.* 363.

- a. Brazil.
- b. Brazil. Presented by W. W. Saunders, Esq.

2. MONTINA LOBATA.

lobata, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 197.
Bahia.

3. MONTINA NIGRIPES.

nigripes, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 197.
Bahia.

4. MONTINA SCUTELLARIS.

scutellaris, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 197.
Costa Rica.

Div. 2.

Ulpinus, *Stal, Hem. Afr.* iii. 68.

5. MONTINA NODOSIPES.

nodosipes, *Sgt. A. S. E. F. 3me Sér.* viii. 963—*Ulpinus nodosipes*, *Stal, Hem. Afr.* iii. 68.

Madagascar.

Genus 10. PLÆOGASTER.

Plæogaster, *Serv. Hist. Hem.* 364.

1. PLÆOGASTER MAMMOSUS.

Div. 1.

mammosus, *Serv. Hist. Hem.* 364. *Stal, A. S. E. F. 4me Sér.* iv. 57.
Cayenne.

Div. 2.

Astinus, *Stal, Ofv. K. V. Ak. Forh.* xvi. 193; *Hem. Afr.* iii. 50.

2. PLÆOGASTER M-ALBUM.

M-album, *Serv. Hist. Hem.* 364, pl. 6, f. 8—*Astinus M-album*, *Stal, Ofv. K. V. Ak. Forh.* xvi. 193.

a. Malacca. Presented by W. W. Saunders, Esq.

b. Borneo. Presented by W. W. Saunders, Esq.

3. PLÆOGASTER MODESTUS.

modestus, *Stal, Ofv. K. V. Ak. Forh.* xi.

Pulo Penang.

4. PLÆOGASTER PUSTULATUS.

Astinus pustulatus, *Stal, A. S. E. F. 4me Sér.* iii. 30.

Sarawak.

Div. 3.

Aricosus, *Stal.*

5. PLÆOGASTER CURVIPES.

Aricosus curvipes, *Stal, Ofv. K. V. Ak. Forh.* xvi. 198.

Brasil.

6. PLÆOGASTER SOCIUS.

socius, *Stal, Ofv. K. Vel. Ak. Forh.* xvi. 198.

7. *PLÆOGASTER FABRICII*.

——, *Stoll, Pan. f.* 154—*Plæogaster (Aricosus) Fabricii, Stal, Hem. Fabr. i.* 98.

South America.

8. *PLÆOGASTER LIVIDUS*.

Aricosus lividus, Stal.

Rio Janeiro.

9. *PLÆOGASTER ELEVATUS*.

Zelus elevatus, Fabr. Syst. Rhyn. 289—*Aricosus cliens, Stal, Ofv. K. Vet. Ak. Forh. xvi.* 198—*Plæogaster elevatus, Stal, Hem. Fabr. i.* 98.

South America.

Div. 4.

Paloptus, Stal, Stett. Ent. Zeit. xxii. 133.

10. *PLÆOGASTER NIGRISCUTIS*.

Paloptus nigriscutis, Stal, Stett. Ent. Zeit. xxii. 133.

a. Aru. From Mr. Wallace's collection.

11. *PLÆOGASTER LONGISPINUS*.

Paloptus longispinus, Stal, A. S. E. F. 4me Sér. iii. 50.

Wagiou. New Guinea.

Div. 3.

Aristippus, Stal, Hem. Afr. iii. 48.

12. *PLÆOGASTER TESTACEUS*.

testaceus, Stal, Ofv. K. Vet. Ak. Forh. xvi. 197—*Aristippus testaceus, Stal, Hem. Fabr. i.* 99.

Brazil.

13. *PLÆOGASTER CONFUSUS*.

confusus, Stal, Ofv. K. Vet. Ak. Forh. xvi. 198—*Aristippus confusus, Stal, Hem. Fabr. i.* 99.

Brazil?

14. *PLÆOGASTER DISTINCTUS*.

distinctus, Stal, Ofv. K. V. Ak. Forh. xvi. 198—*Aristippus distinctus, Stal, Hem. Fabr. i.* 99.

Brazil?

I. PTERODACTYLUS

Pterodactylus, *Sci. Ann. Mus. Nat. Hist.* i. 92.

Sci. Ann.

II. PTERODACTYLUS

Pterodactylus, *Sci. Ann. Mus. Nat. Hist.* i. 92.

Sci. Ann.

III. PTERODACTYLUS

Pterodactylus, *Sci. Ann. Mus. Nat. Hist.* i. 92—*Pterodactylus*, *Sci. Ann.*

Sci. Ann.

Sci. Ann.

IV. I

Sci. Ann. Mus. Nat. Hist. i. 92—*Sci. Ann.*

V. PTERODACTYLUS

Sci. Ann. Mus. Nat. Hist. i. 92—*Sci. Ann.*

Sci. Ann.

VI. —

VII. PTERODACTYLUS

Pterodactylus, *Sci. Ann. Mus. Nat. Hist.* i. 92, p. 1.

Pterodactylus, *Sci. Ann. Mus. Nat. Hist.* i. 92, p. 1.

VIII. HARPACTOR

Harpaactor, *De Lap. Ann. 3. Ann. Mus. Nat. Hist.* i. 229. *Sci. Ann.*

Sci. Ann.

IX. I

Harpaactor, *Sci. Ann. Mus. Nat. Hist.* i. 229—*Harpaactor*, *Sci. Ann.*

Sci. Ann.

Europe and West Asia.

1. HARPACTOR

Harpaactor, *Fish. Eur. Ann.* 153.

Greece.

2. HARPACTOR

Cimex iracundus, *Scop. Ent. Carr.* 378—*Reduvius iracundus*, *Fabr. Syst. Ent.* 731; *Sp. Ins.* ii. 321; *Ment. Ins.* ii. 312; *Ent. Syst.* iv. 204; *Syst. Rhyn.* 278. *Sci. Ann. Mus. Nat. Hist.* i. 112—*Reduvius*, *Fabr. Ment. Ins.* ii. 310; *Ent. Syst.* iv. 198; *Syst. Rhyn.* 272.

Schaff. Icon. Rhyn. pl. 5, f. 9, 10. *Wolff, Wanz. Ins.* i. 38. *Sulz. Hist. Ins.* pl. 10, f. 13. *Hahn, Wanz. Ins.* ii. 21, pl. 40, f. 127—*Cimex sanguineus*, *Schr. Beitr.* pl. 3, f. 17—*Reduvius rubricus*, *Gerin. It. Ahr. Faun. Eur.* 2, 22—*Harpactor iracundus*, *Fieb. Eur. Hem.* 153—*Rhinocoris Caucasicus*, *Kol. Mel. Sp.* 247.

- a, b. Geneva. Presented by M. Goureau.
 c—j. South France. Presented by F. Walker, Esq.
 i—k. Italy.
 l. France. Presented by W. W. Saunders, Esq.
 m. Isle of Paros. Presented by Prof. Edward Forbes.

3. HARPACTOR VARIEGATUS.

variegatus, *Fieb. Eur. Hem.* 152.

South Europe.

4. HARPACTOR MORIO.

morio, *Mus. C. Vien. Kol. Mel. Sp.* 246, pl. 3, f. 3. *Fieb. Eur. Hem.* 153.

South Russia. Greece. Turkey. Syria.

5. HARPACTOR HÆMORRHOIDALIS.

Reduvius hæmorrhoidalis, *Fabr. Syst. Rhyn.* 275. *Hahn, Wanz. Ins.* vii. 13, pl. 221, f. 690, 691—*Harpactor lividigaster*, *Muls. Ann. Soc. Linn.* 1852, 137. *Fieb. Eur. Hem.* 154—*Harpactor hæmorrhoidalis*, *Fieb. Eur. Hem.* 154—*Harpactor hæmorrhoidalis*, *Var.*, *Fieb. Eur. Hem.* 386.

- a. Geneva. Presented by M. Goureau.
 b—f. South Europe. Presented by F. Walker, Esq.
 g. Tunis. From Mr. Fraser's collection.

6. HARPACTOR NIGER.

niger, *H.-Sch. Wanz. Ins.* vii. 14, pl. 221, f. 693. *Fieb. Eur. Hem.* 154.

Hungary.

7. HARPACTOR ANNULATUS.

Cimex annulatus, *Linn. Faun. Succ.* 943—*Reduvius annulatus*, *Fabr. Syst. Rhyn.* 271. *Wolff, Wanz. Ins.* i. 78. *Sulz. Hist. Ins.* pl. 10, f. 13. *Schaff. Icon. R.* pl. 5, f. 11—*Harpactor annulatus*, *Fieb. Eur. Hem.* 154.

- a—d. Geneva. Presented by M. Goureau.
 e. France.
 f. Polish Ukraine. Presented by Dr. Dowler.

8. HARPACTOR CARNIFEX.

carnifex, *Muls. Ann. Soc. Linn.* 1852, 137.

South France.

10. HARPACTOR INSCUTELLUS.

Reduvius inscutellus, Stal, *Oft. K. Vet. Ak. Forh.* xvi. 368.

Synonym.

11. HARPACTOR NIGER.

Reduvius niger, Fabr. *Syst. Ent.* 732; *Sp. Ins.* ii. 302; *Mont. Ins.* i. 14. *Ent. Europ.* iv. 215; *Syst. Hym.* 200—*Reduvius tibialis*, Ach. *Ent. Hym.* 275—*Emimetus niger*, Stal, *Hem. Fabr.* i. 112.

Synonym. *Agrion*.

12. HARPACTOR SUBNECTUS.

agrippa, W&A. *Zootypus*, 1870, 2370.

Synonym. *Stal.*

Div. 2.

Sphodromantis, Stal, *Oft. K. Vet. Ak. Forh.* xxiii. 208.

13. HARPACTOR PULCHELLUS.

Reduvius pulchellus, Klag, *Symb. Phys.* ii. pl. 19, f. 11—*Harpa-*
tor pulchellus, Stal, *Oft. K. Vet. Ak. Forh.* xii. 180—*Sphodromantis*
pulchellus, Stal, *Oft. K. Vet. Ak. Forh.* xxiii. 208.

Synonym. *Syn.*

14. HARPACTOR PICTUS.

Reduvius pictus, Klag, *Symb. Phys.* pl. 19, f. 12. *Stal, Hem. Afr.* iii. 92.
Desert Arabia. East Africa.

Div. 3.

Vachiria, Stal, *Oft. K. Vet. Ak. Forh.* xvi. 375.

15. HARPACTOR NATOLICUS.

Vachiria Natolica, Stal, *Oft. K. Vet. Ak. Forh.* xvi. 375.

Natolia.

Div. 4.

Coranus, Curt. *Brit. Ent.* x. 453. *Dougl. and Scott, Hem.* 540. *Stal,*
Hem. Afr. iii. 93—*Colliocoris*, Hahn, *Wanz. Ins.* ii. 23. *Fieb. Eur.*
Hem. 154.

16. HARPACTOR NIGER (bis lectum).

Colliocoris niger, Mus. *Vien. Fieb. Eur. Hem.* 154—*Harpa-*
ctor niger, Ramb. *Faun. And.* 178.

South Europe.

16. HARPACTOR GRISEUS.

Reduvius griseus, Rossi, *Faun. Etr.* Sp. 1362—*Harpactor griseus*, Hahn, *Wanz. Ins.* vi. 106, pl. 215, f. 677—*Harpactor murinus*, Ramb. *Faun. And.* 177—*Colliocoris griseus*, Fieb. *Eur. Hem.* 155.

South Europe.

17. HARPACTOR ÆGYPTIUS.

Reduvius Ægyptius, Fabr. *Ent. Syst.* iv. 205; *Syst. Rhyn.* 279. Wolff, *Icon. Cim.* 83, 80, pl. 8, f. 80. *Cog. Ill. Icon.* 393, pl. 21, f. 7—*Harpactor murinus*, Ramb. *Faun. And.* ii. 177—*Zelus Ægyptius*, Blanch. *Hist. Nat. Ins.* iii. 102 (*Reduvius Ægyptius*), *Hem.* pl. 2, f. 5—*Harpactor Ægyptius*, Serv. *Hist. Hem.* 366. H.-Sch. *Wanz. Ins.* vi. 107, pl. 215, f. 678—*Coranus Ægyptius*, Fieb. *Eur. Hem.* 155.

South Europe. Egypt.

18. HARPACTOR SUBAPTERUS.

Cimex subapterus, Deg. *Ins.* iii. 287, pl. 16, f. 10, 11—*Reduvius apterus*, Fabr. *Syst. Rhyn.* 281—*Reduvius pedestris*, Wolff, *Icon. Cim.* 205, pl. 20, f. 199—*Reduvius subapterus*, Fall. *Hem. Suec.* 157—*Coranus subapterus*, Curt. *Brit. Ent.* x. pl. 453. Dougl. and Scott, *Hem.* 541—*Colliocoris griseus*, Hahn, *Wanz. Ins.* ii. 25, pl. 41, f. 129—*Harpactor pedestris*, Burm. *Handb. Ent.* ii. 230—*Harpactor Habui*, Kol. *Mel. Ent.* vi. 47—*Harpactor subapterus*, Flor. *Rhyn. Liv.* i. 684—*Colliocoris pedestris*, Fieb. *Eur. Hem.* 155.

a, b. France. Presented by W. W. Saunders, Esq.

c, d. France.

e. Europe. Presented by J. Gray, Esq.

f. Geneva. Presented by M. Goureau.

g. Tunis.

h. Chamouni. Presented by M. Pierret.

i. Algeria. Presented by M. A. Serville.

Div. 5.

Oreada, Muls. *Ann. Soc. Linn. Lyon.* xvi. 292.

19. HARPACTOR LUCTUOSUS.

Oreada luctuosa, Muls. *Ann. Soc. Linn. Lyon.* xvi. 293.

Pyrenees.

Div. 1.

Milyas, Stal, *Ofv. K. V. Ak. Forh.* xxiii. 295.

20. HARPACTOR CINCTUS.

Reduvius cinctus, Fabr. *Gen. Ins. Mant.* 802; *Sp. Ins.* ii. 379; *Mant. Ins.* i. 310; *Ent. Syst.* iv. 199; *Syst. Rhyn.* 272—*Harpactor cinctus*,

H.-Sch. Wanz. Ins. viii. 83, pl. 276, f. 853—*Milyas cinctus*, *Stal*,
Hem. Fabr. i. 106.

- a, b.* Illinois. Presented by H. Reushaw, Esq.
- c.* North America. Presented by the Entomological Club.
- d.* North America. From Mr. Dyson's collection.
- e.* Mexico. Presented by E. P. Coffin, Esq.
- f.* Oajaca. From M. Hartweg's collection.
- g.* Orizaba. From M. Sallé's collection.
- h.* Santarem. From Mr. Bates' collection.

Mexico.

Div. 1.

Castolus, *Stal*, *Ofv. K. V. Ak. Forh.* xv. 447.

21. HARPACTOR PLAGIATICOLLIS.

plagiaticollis, *Stal*, *Ofv. K. V. Ak. Forh.* xv. 447.

Mexico.

South America.

Div. 1.

22. HARPACTOR NIGROMACULATUS.

nigromaculatus, *Stal*, *Rio Jan. Hem.* 74.

Rio Janeiro.

23. HARPACTOR ALBOSPARSUS.

albosparsus, *Stal*, *Ofv. K. V. Ak. Forh.* xi. 338.

Minas Geraes.

Div. 2.

Pirnonota, *Stal*, *Ofv. K. V. Ak. Forh.* xvi. 369.

24. HARPACTOR CONVEXICOLLIS.

Pirnonota convexicollis, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 370.

Rio Janeiro.

Div. 3.

Doldina, *Stal*, *Ofv. K. V. Ak. Forh.* xxiii. 292.

25. HARPACTOR BICARINATUS.

Doldina bicarinata, *Stal*, *Ofv. K. V. Ak. Forh.* xxiii. 296.

Amazon Region.

Div. 4.

Corcia, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 368.

26. HARPACTOR COLUMBICUS.

Corcia Columbica, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 369.

New Granada.

27. HARPACTOR CAPITATUS.

Corcia capitata, Stal, *Ofv. K. Vet. Ak. Forh.* xvi. 389.
New Granada.

Div. 5.

Pyrrhosphodrus, Stal, *Ofv. K. V. Ak. Forh.* xxiii. 295.

28. HARPACTOR MILITARIS.

Pyrrhosphodrus militaris, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 298.
Amazon Region.

29. HARPACTOR AMAZONUS.

Pyrrhosphodrus Amazonus, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 298.
Amazon Region.

Div. 6.

Pindus, Stal, *Ofv. K. V. Ak. Forh.* xxiii. 296.

30. HARPACTOR VITTATICEPS.

Pindus vittaticeps, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 299.
Amazon Region.

West, South and East Africa.

Div. 1.

The species are distinguished by Prof. Stal as follows:—

- | | |
|--|-------------|
| A. Hinder fore lobe of the prothorax more or less distinctly tuberculate in the middle. | |
| a. Scutellum not forming an obtuse spine hindward. | |
| • Rostrum wholly black. | |
| † Abdomen and legs black; fore femora except at each end red or yellowish testaceous. | nitidulus. |
| †† Border of the abdomen yellowish or testaceous, or with yellowish or testaceous spots. Second joint of the rostrum most often longer than the first. | |
| ‡ Hind lobe of the prothorax and corium yellowish, ochraceous, or reddish testaceous. | |
| § Fore lobe of the prothorax yellowish or ochraceous. | |
| × Scutellum ochraceous. | bellicosus. |
| ×× Scutellum black. | obtusus. |
| §§ Fore lobe of the prothorax black. | |
| × Second joint of the rostrum hardly longer than the first. Post-ocular part of the head longer than the ante-ocular part. | acutus. |
| ×× Second joint of the rostrum distinctly longer than the first. Ante-ocular and post-ocular nearly equally long, or the latter a little longer than the former. | |

| | | |
|-----|---|------------------------------|
| o | Hind sides of the hind lobe of the prothorax and the femora wholly black. | |
| → | Hind border of the prostethium black. | rufus. |
| →→ | Hind border of the prostethium not black. | segmentarius, erythrocnemis. |
| oo | Hind side of the hind lobe of the prothorax not black. Femora at least beneath testaceous at the base. | bicolor. |
| †† | Fore wings blackish. | |
| § | Hind lobe of the prothorax reddish testaceous; sides and a middle spot black. | venustus. |
| §§ | Hind lobe of the prothorax black. Legs rather long. | |
| × | First joint of the antennæ longer by half than the head. | tristis. |
| × | First joint of the antennæ longer than the head by more than half. | |
| o | Fore wings extending beyond the tip of the abdomen. | albopilosus. |
| oo | Fore wings not extending to the tip of the abdomen. | albopunctatus. |
| ** | Rostrum not wholly black. | |
| † | Second joint of the rostrum longer than the first. | |
| ‡ | Rostrum of one colour. Fore lobe of the prothorax distinctly bituberculate. | Carmelita. |
| †† | Rostrum of two colours. Fore lobe of the prothorax obsolete bituberculate. | violentus. |
| †† | First and second joints of the rostrum nearly equally long. | albonotatus. |
| b. | Scutellum forming hindward a short obtuse depressed spine, which is very slightly reflexed. | cinerascens. |
| B. | Fore lobe of the prothorax not or hardly bituberculate hindward. | |
| a. | Scutellum not foliaceous at the tip. | |
| * | Head narrowly oval, not longer than the hind lobe of the prothorax. | inops. |
| ** | Head elongated or oblong, as long as the prothorax or a little shorter. | |
| † | Hind lobe of the prothorax not impressed in the middle. | |
| ‡ | Second joint of the rostrum longer than the first. | |
| § | Prothorax not wholly black. | |
| × | Abdomen beneath with three black stripes. | |
| o | Rostrum black at the base. | |
| → | Head, antennæ and legs blackish. | latro. |
| →→ | Head, antennæ and legs black. | puberulus. |
| oo | Rostrum pale at the base. | sævus. |
| × | Abdomen with no black stripes beneath, most often with black or testaceous bands. | |
| o | Corium with no bands. | tropicus. |
| oo | Corium with one band. | |
| → | Abdomen with no white bands beneath. | tibialis. |
| →→ | Abdomen with white bands beneath. | albofasciatus. |
| ooo | Corium with two bands. | raptor. |
| §§ | Prothorax wholly black. | hematopterus. |

- †† First and second joints of the rostrum equally long.
 § Body oblong.
 × Fore wings extending to the tip of the abdomen. fasciiventris.
 ×× Fore wings extending beyond the tip of the abdomen venans.
 §§ Body somewhat elongated. obscuripennis.
 †† Hind lobe of the prothorax impressed lengthwise in the middle.
 ‡ Body somewhat oblong. Prothorax black. Legs moderately long.
 § Ante-ocular and post-ocular parts of the head almost equally long. cingulatus.
 §§ Ante-ocular head a little shorter than the post-ocular. nanus.
 ‡ Body somewhat elongated. Legs rather long. flavus, cinctipes, gulosus.
 b Scutellum foliaceous at the tip.
 * Scutellum reflexed at the tip. Fore wings somewhat longer than the abdomen.
 † First joint of the antennæ not twice as long as the head. pictus.
 †† First joint of the antennæ twice as long as the head. æthiopicus.
 ** Scutellum slightly foliaceous and dilated at the tip. Fore wings much longer than the abdomen. Perrisi.

31. HARPACTOR NITIDULUS.

Reduvius nitidulus, *Fabr. Ent. Syst.* iv. 195; *Syst. Rhyn.* 268. *Stal. Ofv. K. V. Ak. Forh.* xvi. 204; *Hem. Afr.* iii. 76—*Reduvius quadrilobatus*, *Pal. Beauv. Ins.* 15, pl. 1, f. 5.

Senegal. Gabon.

a—d. Sierra Leone. Presented by the Rev. F. Morgan.

e. Old Calabar. From Mr. J. Gray's collection.

f. Old Calabar. From Mr. Murray's collection.

32. HARPACTOR MARGINATUS.

marginatus, *Frme. Arch. Ent.* ii. 319—*Reduvius bellicosus*, *Stal. Hem. Afr.* iii. 76.

Gabon.

33. HARPACTOR OBTUSUS.

Reduvius obtusus, *Pal. Beauv. Ins.* 63. *Hem.* pl. 2, f. 2. *Stal. Hem. Afr.* ii. 77—*Harpactor bituberculatus*, *Stal. Ofv. K. Vel. Ak. Forh.* xv. 446—*Harpactor transversus*, *Sgnt. Arch. Ent.* ii. 319.

Guinea.

34. HARPACTOR ACUTUS.

Harpactor varipes, *Sgnt. Arch. Ent.* ii. 320—*Reduvius acutus*, *Pal. Beauv. Ins.* 63. *Hem.* pl. 2, f. 1. *Stal. Hem. Afr.* iii. 77.

Calabar.

35. HARPACTOR RUFUS.

Reduvius rufus, *Thunb. Hem. Rostr. Cap.* iii. 5. *Stal, Hem. Afr.* iii. 78—*Harpactor caffer*, *Stal, Ofv. K. V. Ak. Forh.* xii. 42.

Cape.

36. HARPACTOR ERYTHROCNEMIS.

Harpactor erythrocnemis, *Germ. Silb. Rev. Ent.* v. 42—*Harpactor patruelis*, *Stal, Ofv. K. V. Ak. Forh.* xii. 42—*Reduvius erythrocnemis*, *Stal, Hem. Afr.* iii. 78.

Natal.

a, b. Cape. From M. Dregé's collection.

c. Cape. Presented by Sir A. Smith.

37. HARPACTOR SEGMENTARIUS.

Harpactor segmentarius, *Germ. Silb. Rev. Ent.* v. 125. *Stal, Hem. Afr.* iii. 79.

Guinea. Mozambique.

a. South Africa. Presented by Sir A. Smith.

b. Cape. From M. Dregé's collection.

c, d. Natal. From M. Gueinzus' collection.

38. HARPACTOR BICOLOR.

Reduvius bicolor, *Fabr. Ent. Syst.* iv. 199; *Syst. Rhyn.* 272. *Stal, Hem. Afr.* iii. 79—*Harpactor angustatus*, *Sgnt. Arch. Ent.* ii. 322.

Senegal. Guinea. Sierra Leone. Calabar.

39. HARPACTOR VENUSTUS.

Harpactor venustus, *Stal, Ofv. K. V. Ak. Forh.* xii. 42—*Reduvius venustus*, *Stal, Hem. Afr.* iii. 80.

Natal.

40. HARPACTOR TRISTIS.

Harpactor tristis, *Stal, Ofv. K. V. Ak. Forh.* xii. 80—*Reduvius tristis*, *Stal, Hem. Afr.* iii. 80.

Cape. Natal.

41. HARPACTOR ALBOPILOSUS.

Harpactor albopilosus, *Sgnt. Arch. Ent.* ii. 320—*Reduvius albopilosus*, *Stal, Hem. Afr.* iii. 81—*Harpactor conspersus*, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 446.

Old Calabar. Guinea. Senegal.

42. HARPACTOR ALBOPUNCTATUS.

Harpactor albopunctatus, *Stal, Ofv. K. V. Ak. Forh.* xii. 43—*Reduvius albopunctatus*, *Stal, Hem. Afr.* iii. 81.

Natal.

43. HARPACTOR CARMELITA.

Harpactor Carmelita, *Stal, Ofv. K. V. Ak. Forh.* xvi. 202—*Reduvius Carmelita*, *Stal, Hem. Afr.* iii. 82.

Sierra Leone.

44. HARPACTOR VIOLENTUS.

Harpactor violentus, *Germ. Silb. Rev.* v. 126—*Harpactor Natalensis*, *Stal, Ofv. K. V. Ak. Forh.* xii. 42—*Harpactor disciventris*, *H.-Sch. Wanz. Ins.* viii. 86, pl. 277, f. 856—*Reduvius violentus*, *Stal, Hem. Afr.* iii. 82.

South Africa.

45. HARPACTOR ALBONOTATUS.

Harpactor albonotatus, *Stal, Ofv. K. V. Ak. Forh.* xv. 318—*Reduvius albonotatus*, *Stal, Hem. Afr.* iii. 83.

Region of Lake N'Gami.

46. HARPACTOR CINERASCENS.

Reduvius cinerascens, *Stal, Hem. Afr.* iii. 83.

Cape.

47. HARPACTOR INOPS.

Reduvius inops, *Stal, Hem. Afr.* iii. 84.

Guinea.

48. HARPACTOR LATRO.

Harpactor latro, *Stal, Ofv. K. V. Ak. Forh.* xii. 42—*Reduvius latro*, *Stal, Hem. Afr.* iii. 84.

Natal.

49. HARPACTOR PUBERULUS.

Harpactor puberulus, *Stal, Ofv. K. V. Ak. Forh.* xii. 42—*Reduvius puberulus*, *Stal, Hem. Afr.* iii. 85.

Guinea. Natal.

50. HARPACTOR SÆVUS.

Reduvius sævus, *Stal, Hem. Afr.* iii. 85.

Guinea.

51. HARPACTOR TROPICUS.

Harpactor tropicus, *H.-Sch. Wanz. Ins.* viii. 84, pl. 263, f. 815—*Reduvius tropicus*, *Stal, Hem. Afr.* iii. 85.

Sierra Leone.

52. HARPACTOR TIBIALIS.

Harpactor tibialis, *Stal, Ofv. K. V. Ak. Forh.* xii. 86—*Reduvius tibialis*, *Stal, Hem. Afr.* iii. 86.

Natal.

53. *HARPACTOR ALBOFASCIATUS.*

Harpactor albofasciatus, *Sgnt. Arch. Ent.* ii. 323—*Reduvius albofasciatus*, *Stal, Hem. Afr.* iii. 87.

Guinea.

54. *HARPACTOR RAPAX.*

Harpactor rapax, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 41—*Harpactor segmentarius*, *Sgnt. Arch. Ent.* ii. 321—*Reduvius rapax*, *Stal, Hem. Afr.* iii. 87.

Calabar. Natal.

55. *HARPACTOR HÆMATOPTERUS.*

Harpactor hæmatopterus, *Germ. Silb. Rev. Ent.* v. 126—*Reduvius hæmatopterus*, *Stal, Hem. Afr.* iii. 88.

Cape.

56. *HARPACTOR FASCIATIVENTRIS.*

Harpactor fasciventris, *Stal, Ofv. K. V. Ak. Forh.* xii. 42—*Reduvius fasciiventris*, *Stal, Hem. Afr.* iii. 88.

Natal.

57. *HARPACTOR VENANS.*

Harpactor venans, *Stal, Ofv. K. V. Ak. Forh.* xii. 42—*Reduvius venans*, *Stal, Hem. Afr.* iii. 89.

Natal.

58. *HARPACTOR OBSCURIPENNIS.*

Hæmatochores obscuripennis, *Stal, Ofv. K. V. Ak. Forh.* xii. 190; xiii. 65, pl. 1, f. 4—*Pirates? angusticollis*, *Sgnt. Arch. Ent.* ii. 310—*Reduvius obscuripennis*, *Stal, Hem. Afr.* iii. 89.

Senegal. Sierra Leone. Calabar.

59. *HARPACTOR CINGULATUS.*

Reduvius cingulatus, *Stal, Hem. Afr.* iii. 90.

Natal.

60. *HARPACTOR NANUS.*

Harpactor nanus, *Stal, Ofv. K. V. Ak. Forh.* xii. 43—*Reduvius nanus*, *Stal, Hem. Afr.* iii. 90.

Natal.

61. *HARPACTOR LEUCOCEPHALUS.*

Reduvius leucocephalus, *Fabr. Ent. Syst.* iv. 205; *Syst. Rhyn.* 279—*Harpactor flavus*, *Sgnt. Arch. Ent.* ii. 323—*Reduvius flavus*, *Stal, Hem. Afr.* iii. 91—*Reduvius leucocephalus*, *Stal, Hem. Fabr.* i. 112.

Guinea.

62. HARPACTOR CINCTIPES.

Harpactor cinctipes, *Sgnt. Arch. Ent.* ii. 322—*Harpactor spectandus*, *Stal. Ofv. K. V. Ak. Forh.* xv. 446—*Reduvius cinctipes*, *Stal, Hem. Afr.* iii. 90.

Calabar.

63. HARPACTOR SUBFLAVICEPS.

subflaviceps, *Sgnt. A. S. E. F. 3me Sér.* viii. 965—*Reduvius gulosus*, *Stal, Hem. Afr.* iii. 91.

Madagascar.

64. HARPACTOR PICTUS.

Reduvius pictus, *Klug, Symb. Phys.* ii. pl. 19, f. 12. *Stal, Hem. Afr.* iii. 92.

Arabia. Region of Lake N'Gami.

65. HARPACTOR ÆTHIOPICUS.

Harpactor pictus, *Sgnt. Arch. Ent.* ii. 321—*Reduvius Æthiopicus*, *Stal, Hem. Afr.* iii. 92.

Calabar.

66. HARPACTOR PERRISI.

Eugorax? Perrisi, *Sgnt. Arch. Ent.* ii. 325, pl. 11, f. 8—*Reduvius Perrisi*, *Stal, Hem. Afr.* iii. 93.

Gabon.

67. HARPACTOR RUPIPENNIS.

Reduvius rufipennis, *Fabr. Syst. Rhyn.* 271. *Stal, Hem. Fabr.* i. 111.

Guinea.

68. HARPACTOR NIGRIPENNIS.

nigripennis, *Frme. Arch. Ent.* ii. 324.

Gabon.

Div. 2.

Coranus, *Curt.*

A. Legs not spotted nor banded.

a. First joint of the antennæ somewhat shorter than the head. - - - - - *carbonarius*.

b. First joint of the antennæ very slightly longer than the head. - - - - - *lugubris*.

B. Legs spotted or banded.

a. Tibiæ with not more than one band.

* Prothorax wholly black. - - - - - *oblongiceps*.

** Prothorax not wholly black. - - - - - *papillosus*.

1. Time when received, and from
2. Time when, with your informant, and
3. Time when, informant, known at the time and at
the time

五、研究结论

EXHIBIT A-10

PLASMA MEMBRANE RECEPTORS

THE UNIVERSITY OF CHICAGO PRESS



7. ~~ANALYSIS~~ ~~RESULTS~~

Thomomys umbrinus, Thom. Ann. west. Cap. III. 3—*Reclusia* sp.
Thomomys Ann. west. Cap. II. 3—*Thomomys* *luciae*, Germ. Ill.
 Ann. Ill. v. 23—*Thomomys* *spumans*, Bern. Hist. Ann. 206—*Thomomys* *spumans*, Bern. Hist. Ann. 206—*Curvus* *pygmaeus*, Sci. Ann.
 Ill. II. 3.

2. Lower Form II Group's selection.

2. Literature Review

Barometer reading. Res. Dr. H. T. St. Paul. No. 43—Census 1900
San. Jan. 1901. H. T. St.



73. HANDEDNESS TAPES

CHANDLER WOODS, JR., D.D., LL.D., LL.M.

Summary:

71. *Harpacticus peltatus*

ELIZABETH SALVENDY, Gen. Sili. Rev. Ed. v. 127.

2. Cape From M. Dyer's collection.

Div. 3

ARTES, San. Hm. Afr. III 74.

75. HARPACTOR STYCHCOLLIS.

Harpactor sulcicollis, *Spat. A. S. B. F. 3me Sér. viii. 965*—*Anytus sulcicollis*, *Stal, Hem. Afr. iii. 74.*

Madagascar.

Div. 4.

Vitumnus, *Stal*, *Hem. Afr.* iii. 68.

- | | | |
|--|---|-------------------|
| A. Eyes and ocelli comparatively less prominent. | - | <i>scenicus</i> . |
| A. Eyes and ocelli comparatively more prominent. | - | <i>oculatus</i> . |

76. HARPACTOR SCENICUS.

Harpactor sedulus, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 41—*Harpactor cinquabarinus*, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 41—*Harpactor nigripes*, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 41—*Harpactor scenicus*, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 41—*Harpactor minutus*, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 41—*Harpactor schrinus*, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 41—*Vitumnus scenicus*, *Stal*, *Hem. Afr.* iii. 69.

Natal.

77. HARPACTOR OCULATUS.

Vitumnus oculatus, *Stal*, *Hem. Afr.* iii. 70.

Senegal.

Div. 5.

Zamolxis, *Stal*, *Hem. Afr.* iii. 70.

78. HARPACTOR GRACILIS.

Harpactor gracilis, *Stal*, *Ofv. K. V. Ak. Forh.* 1855, 42—*Zamolxis gracilis*, *Stal*, *Hem. Afr.* iii. 71.

Natal.

79. HARPACTOR PALLIDIVENTRIS.

Harpactor pallidiventris, *Germ. Silb. Res. Ent.* v. 127.

z. Cape. From M. Dregé's collection.

Div. 6.

Harpagocoris, *Stal*, *Ofv. K. V. Ak. Forh.* x. 262; *Hem. Afr.* iii. 71.

80. HARPACTOR NIGRONITENS.

Harpagocoris nigronitens, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 43; *Hem. Afr.* iii. 71.

Natal.

Div. 7.

Vatinius, *Stal*, *Hem. Afr.* iii. 74.

81. HARPACTOR OCHROPUS.

Harpactor ochripes, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 4—*Vatinius ochropus*, *Stal*, *Hem. Afr.* iii. 74.

Natal.

Div. 8.

Pantoleistes, *Stal*, *Ofv. K. V. Ak. Forh.* x. 262; *Hem. Afr.* iii. 73.

82 HARPACTOR PRINCEPS.

Pantoleistes princeps, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 41; *Hem. Afr.* iii. 73.

Natal.

Div. 9.

Peprius, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 376; *Hem. Afr.* iii. 64.

83. HARPACTOR NODULIPES.

Harpactor nodulipes, *Sgnt. Arch. Ent.* ii. 324, pl. 11, f. 7—*Peprius nodulipes*, *Stal*, *Hem. Afr.* iii. 65.

Calabar.

Div. 10.

Rhynocoris, *Guer. et Perch. Gen. Ins.*—*Phonoctonus*, *Stal*, *Ofv. K. Vet. Ak. Forh.* x. 262; *Hem. Afr.* iii. 61.

84. HARPACTOR GRANDIS.

Phonoctonus grandis, *Sgnt. A. S. E. F. 3me Sér.* viii. 962; *Stal*, *Hem. Afr.* iii. 61.

Isle Mayotta.

85. HARPACTOR FASCIATUS.

Reduvius fasciatus, *Pal. Beauv. Ins.* 65; *Hém.* pl. 2, f. 5—*Phonoctonus fasciatus*, *Stal*, *Hem. Afr.* iii. 62.

Natal.

- a, b. Congo. Presented by Sir J. Richardson.
- c. West Africa. From Mr. Fraser's collection.
- d. Gambia. Presented by W. W. Saunders, Esq.
- e. Madagascar. From Dr. Lyall's collection.

86. HARPACTOR NIGROFASCIATUS.

Phonoctonus nigrofasciatus, *Stal*, *Ofv. K. V. Ak. Forh.* xii. 43; *Hem. Afr.* iii. 62.

Natal.

87. HARPACTOR IMMITIS.

Phonoctonus immitis, *Stal*, *Hem. Afr.* iii. 62.

Guinea.

88. HARPACTOR PICTURATUS.

Phonoctonus picturatus, *Erme. Arch. Ent.* ii. 318. *Stal, Hem. Afr.* iii. 63.
 Gabon.

89. HARPACTOR SUBIMPICTUS.

Phonoctonus subimpietus, *Stal, Hem. Afr.* iii. 63.
 Guinea.

Div. 11.

Vadimon, *Stal, Hem. Afr.* iii. 64.

90. HARPACTOR NODOSUS.

Pleogaster? *nodosus*, *Sgt. Arch. Ent.* ii. 317—*Vadimon nodosus*, *Stal, Hem. Afr.* iii. 64.
 Calabar.

Div. 12.

Domnus, *Stal, Ofv. K. V. Ak. Forh.* xv. 445; *Hem. Afr.* iii. 58.

91. HARPACTOR FLAVONIGER.

Domnus flavoniger, *Stal, Ofv. K. Vet. Ak. Forh.* 1859, 445. *Stett. Ent. Zeit.* xxii. 136.
 Old Calabar.

92. HARPACTOR DIMIDIATUS.

Harpactor dimidiatus, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 42—*Domnus dimidiatus*, *Stett. Ent. Zeit.* xxii. 136.
 Caffraria.

Div. 13.

Blapton, *Spin. Gen. Ins. Artr.* 144. *Stal, Hem. Afr.* iii. 59—*Sphagiastes*, *Stal, Ofv. K. V. Ak. Forh.* x. 262.

93. HARPACTOR RAMENTACEUS.

Arilus ramentaceus, *Germ. Silb. Rev. Ent.* v. 123—*Blapton Dregei*, *Spin. Gen. Ins. Artr.* 145—*Sphagiastes horrificus*, *Stal, Ofv. K. V. Ak. Forh.* x. 43—*Blapton ramentaceus*, *Stal, Hem. Afr.* iii. 60.
 Natal.

94. HARPACTOR PILIPES.

Arilus pilipes, *Stal, Ofv. K. V. Ak. Forh.* xii. 43—*Arilus atrox*, *Stal, Ofv. K. V. Ak. Forh.* xii. 43—*Blapton pilipes*, *Stal, Hem. Afr.* iii. 60.
 Natal.

South Asia.

Div. 1.

95. HARPACTOR PULCHRIVENTRIS.

Reduvius pulchriventris, *Stal*, *A. S. E. F. 4me Sér.* iii. 37—*Reduvius pulchriventris*, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 286.

α. North Hindostan. From Capt. Boyes' collection.

96. HARPACTOR NIGRORUBER.

Reduvius (Harpactor) *nigroruber*, *Dohrn*, *Stett. Ent. Zeit.* xxi. 406—*Reduvius?* *nigroruber*, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 286.

Ceylon.

97. HARPACTOR SORDIDIPENNIS.

Reduvius (Harpactor) *sordidipennis*, *Dohrn*, *Stett. Ent. Zeit.* xxi. 406—*Reduvius?* *sordidipennis*, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 286.

Ceylon.

98. HARPACTOR FUSCIPES.

——— *Stoll*, *Pun.* 56, pl. 13, f. 87—*Reduvius fuscipes*, *Fabr. Mant. Ina.* ii. 312; *Ent. Syst.* iv. 204; *Syst. Rhyn.* 278. *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 285; *Hem. Fabr.* i. 110—*Reduvius sanguinolentus*, *Wolff*, *Icon. Cim.* iv. 166, pl. 16, f. 160—*Reduvius corallinus*, *St. Farg. et Serv. Enc.* x. 279.

Hindostan.

99. HARPACTOR COSTALIS.

Reduvius costalis, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 285.

Bengal.

100. HARPACTOR AULICUS.

Reduvius aulicus, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 285.

Malacca.

101. HARPACTOR LOBATUS.

Reduvius lobatus, *Stal*, *A. S. E. F. 4me Sér.* iii. 36.

Cambodia.

102. HARPACTOR SUBCRISPUS.

Reduvius subcrispus, *Stal*, *Stett. Ent. Zeit.* xxii. 146—*Reduvius?* *subcrispus*, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 286.

Hong Kong.

103. HARPACTOR IMPIGER.

Reduvius impiger, *Stal*, *A. S. E. F. 4me Sér.* iii. 38.

Cambodia.

104. HARPACTOR MENDICUS.

Reduvius mendicus, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 286.
Malacca.

105. HARPACTOR NIGRICOLLIS.

Arilus nigriscollis, *Dall. Trans. Ent. Soc. Lond. New Ser.* i. 8, pl. 2, f. 5—
Reduvius? *nigriscollis*, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 286.
Bootan.

106. HARPACTOR MALAYUS.

Reduvius Malayus, *Stal, A. S. E. F. 4me Sér.* iii. 38.
Malacca.

Div. 2.

Irantha, *Stal, Stett. Ent. Zeit.* xxii. 137.

107. HARPACTOR ARMIPES.

Harpactor armipes, *Stal, Ofv. K. Vet. Ak. Forh.* xii. 189—*Irantha armipes*,
Stal, Stett. Ent. Zeit. xxii. 138.
Ceylon.

Div. 3.

Sphedanolestes, *Stal.*

108. HARPACTOR IMPRESSICOLLIS.

Reduvius impressicollis, *Stal, Stett. Ent. Zeit.* xxii. 147—*Sphedanolestes*
impressicollis, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 288.
Hong Kong.

109. HARPACTOR XANTHOGASTER.

Reduvius xanthogaster, *Stal, A. S. E. F. 4me Sér.* iii. 37—*Sphedanolestes*
xanthogaster, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 288.
Malacca.

Div. 4.

Panthous, *Stal.*

110. HARPACTOR ICARUS.

Panthous Icarus, *Stal, A. S. E. F. 4me Sér.* iii. 42.
Malacca.

111. HARPACTOR OCHROMELAS.

Panthous ochromelas, *Stal, A. S. E. F. 4me Sér.* iii. 43.
New Guinea.

112. HARPACTOR DÆDALUS.

Panthous Dædalus, *Stal, A. S. E. F. 4me Sér.* iii. 42.
Malacca.

113. HARPACTOR OBSCURUS.

obscurus, *Dallas, Trans. Ent. Soc. Lond. New. Ser.* i. 7, pl. 2, f. 4.
Bootan.

Eastern Isles.

Div. 1.

114. HARPACTOR PICTICEPS.

Reduvius picticeps, *Stal, Ofv. K. V. Ak. Fork.* xvi. 204.
Pulo Penang, Java, Borneo, &c.

115. HARPACTOR PATAGIATUS.

Reduvius patagiatus, *Stal, A. S. E. F. 4me Sér.* iii. 37.
Sarawak.

116. HARPACTOR VERECUNDUS.

Reduvius verecundus, *Stal, A. S. E. F. 4me Sér.* iii. 38.

a. Aru. Presented by W. W. Saunders, Esq.

b. Aru. From Mr. Wallace's collection.

c, d. New Guinea. Presented by W. W. Saunders, Esq.

e. New Guinea. From Mr. Wallace's collection.

117. HARPACTOR GULO.

Reduvius gulo, *Stal, A. S. E. F. 4me Sér.* iii. 37.

a. Mysol. From Mr. Wallace's collection.

118. HARPACTOR MELANOCEPHALUS.

Reduvius? melanocephalus, *Stal, A. S. E. F. 4me Sér.* iii. 39.
Aru.

119. HARPACTOR HELLUO.

Reduvius helluo, *Stal, A. S. E. F. 4me Sér.* iii. 39.
Kd.

a. New Guinea. From Mr. Wallace's collection.

120. HARPACTOR MARGINELLUS.

eduvius marginellus, *Fabr. Syst. Rhyn.* 271. *Stal, Ofv. K. Vol. A*
Fork. xvi. 203; xxiii. 285. *Hem. Fabr.* i. 111.

Ma. Sumatra. New Guinea.

121. HARPACTOR VICINUS.

Reduvius vicinus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 202.
Celebes.

Div. 2.

Campsolomus, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 686.

122. HARPACTOR STRUMULOSUS.

Campsolomus strumulosus, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 687, pl. 7,
f. 7.
Philippine Isles.

Div. 3.

Sphodronythes, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 684.

123. HARPACTOR ERYTHROPTERUS.

Zelus erythropterus, *Burm. Nov. Act. Acad. Leop.* xvi. Suppl. 1, 303—
Reduvius frater, *Stal, Ofv. K. V. Ak. Forh.* xvi. 201—*Sphodronyttus*
erythromelus, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 283—*Reduvius con-*
vivus, *Stal, Ofv. K. V. Ak. Forh.* xvi. 201—*Sphodronyttus erythrop-*
terus, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 685.

Philippine Isles.

124. HARPACTOR SEMINIGER.

Sphodronyttus seminiger, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 686.
Philippine Isles.

125. HARPACTOR VARIABILIS.

Sphodronyttus variabilis, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 686.
Philippine Isles.

126. HARPACTOR INERMIS.

Sphodronyttus inermis, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 685.
Philippine Isles.

127. HARPACTOR SEMIRUFUS.

Reduvius semirufus, *Stal, Ofv. K. V. Ak. Forh.* xvi. 201—*Sphodronyttus*
semirufus, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 685.
Philippine Isles.

128. HARPACTOR HISTRICUS.

Sphodronyttus histricus, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 686.
Philippine Isles.

Div. 4.

Gastrophodrus, Stal.

129. HARPACTOR SAUCIUS.

Reduvius saucius, Stal, *Stett. Ent. Zeit.* xxii. 147—*Gastrophodrus saucius*, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 289.

Aru.

130. HARPACTOR GESTUOSUS.

Reduvius gestuosus, Stal, *Stett. Ent. Zeit.* xxii. 147—*Gastrophodrus gestuosus*, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 289.

Ké.

131. HARPACTOR JUCUNDUS.

Gastrophodrus jucundus, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 289.

New Guinea.

132. HARPACTOR MELANOCEPHALUS.

Reduvius? *melanocephalus*, Stal, *A. S. E. F. 4me Sér.* iii. 39—*Gastrophodrus?* *melanocephalus*, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 289.

Aru.

Div. 5.

133. HARPACTOR TAGALICUS.

tagalicus, Stal, *Eug. Rosa*, 262.

Philippine Isles.

Div. ?

134. HARPACTOR? ACANTHIFER.

Reduvius acanthifer, Mtrz. *Ann. Sci. Phys. Soc. Agric. Lyon*, vii. 108.

Woodlark.

135. HARPACTOR? LEUCOMELAS.

Reduvius leucomelas, Mtrz. *Ann. Sci. Phys. Soc. Agric. Lyon*, vii. 108.

Woodlark.

136. HARPACTOR? POLYACANTHUS.

Reduvius polyacanthus, Mtrz. *Ann. Sci. Phys. Soc. Agric. Lyon*, vii.

Woodlark.

137. HARPACTOR ARMATUS.

Reduvius armatus, Mtrz. *Ann. Sci. Phys. et Nat. 2me Sér.* vii. 1, 108—*Reduvius?* *armatus*, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 287.

Woodlark.

138. HARPACTOR MEGAGASTER.

Reduvius megagaster, Mtrz. *Ann. Sci. Phys. et Nat. 2me Sér.* vii. 1, 108—*Reduvius megagaster*, Stal, *Ofv. K. Vet. Ak. Forh.* xxiii. 287.

Woodlark.

Australia.

Div. 1.

139. HARPACTOR FORMOSUS.

Reduvius formosus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 363—*Reduvius?*
formosus, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 286.

a. Australia. Presented by the Haslar Hospital.

140. HARPACTOR GRATIOSUS.

Reduvius gratiosus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 363—*Reduvius?*
gratiosus, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 287.

Australia.

141. HARPACTOR ASPERICOLLIS.

Reduvius aspericollis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 363—*Reduvius?*
aspericollis, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 287.

Australia.

142. HARPACTOR VARIUS.

Reduvius varius, *Fabr. Ent. Syst.* iv. 202; *Syst. Rhyn.* 277—*Reduvius?*
varius, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 287.

Australia.

Div. 2.

143. HARPACTOR ATTELABOIDES.

Reduvius attelaboides, *Fabr. Ent. Syst.* iv. 199—*Zelus attelaboides*, *Fabr.*
Syst. Rhyn. 284—*Reduvius?* *attelaboides*, *Stal, Ofv. K. Vet. Ak. Forh.*
xxiii. 287.

Australia.

Div. 3.

Havinthus, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 363.

144. HARPACTOR PENTATOMA.

Harpactor pentatoma, *H.-Sch. Wanz. Ins.* ix. 124—*Havinthus pentatoma*,
Stal, Ofv. K. Vet. Ak. Forh. xvii. 363.

145. HARPACTOR LONGICEPS.

Havinthus longiceps, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 364.

Australia.

Div. 4.

Saxitius, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 364.

146. HARPACTOR GENEROSUS.

Saxitius generosus, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 344.

Australia.

Div. 5.

Coranus, *Curt.*

147. HARPACTOR ERYTHRÆUS.

Colliocoris erythræus, *Stal, A. S. E. F. 4me Sér. iii. 46.*

a. Australia.

Div. 6.

Catasphactes, *Stal, Ofv. K. Vet. Ak. Forh. xxiii. 287.*

148. HARPACTOR PYRRHOPTERUS.

Catasphactes pyrrhopterus, *Stal, Ofv. K. Vet. Ak. Forh. xxiii. 288.*
Melbourne.

149. HARPACTOR COPRIAS.

Reduvius coprias, *Stal, A. S. E. F. 4me Sér. iii. 39*—*Catasphactes coprias*,
Stal, Ofv. K. V. Ak. Forh. xxiii. 288.

a. Sydney.

Div. 7.

Gminatus, *Stal, Ofv. K. V. Ak. Forh. xvii. 364.*

150. HARPACTOR WALLENGRENI.

Gminatus Wallengreni, *Stal, Ofv. K. V. Ak. Forh. xvii. 365.*
Australia.

151. HARPACTOR AUSTRALIS.

Arilus Australis, *Erichs.*—*Gminatus Australis*, *Stal. Ofv. K. V. Ak. Forh.*
xvii. 365.

Australia.

152. HARPACTOR LICTOR.

Gminatus lictor, *Stal, Ofv. K. V. Ak. Forh. xvii. 365.*
Australia.

Genus 12. AMPHIBOLUS.

Amphibolus, *Klug, Sym. Phys. 11. Stal, Hem. Afr. 116, 75.*

1. AMPHIBOLUS VENATOR.

Pachynomus (Amphibolus) venator, *Klug, Symb. Phys. pl. 9, f. 10*—
Amphibolus venator, *Stal, Hem. Afr. iii. 75.*

Dongala.

Genus 13. ACANTHISCIIUM.

Acanthiscium, *Serv. Hist. Hem. 366.*

1. ACANTHISCIIUM MACULATUM.

maculatum, *Serv. Hist. Hem. 367. Stal, Ofv. K. V. Ak. Forh. xxiii. 297.*
North Brazil.

2. ACANTHISCIMUM HAGLUNDI.

Haglund, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 297.

Amazon Region.

3. ACANTHISCIMUM DIMIDIATUM.

———, *Stoll, Pnn.* 122, f. 216—*Acanthiscium dimidiatum*, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 377.

Surinam?

Genus 14. DICROTELUS.

Dicrotelus, *Erichs. Wiegman. Arch.* viii. 284—*Dicrotelida*, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 366.

Div. 1.

Dicrotelus, *Stal, Hem. Fabr.* i. 98.

1. DICROTELUS PROLIXUS.

prolixus, *Erichs. Wiegman. Arch.* viii. 284.

Tasmania.

Div. 2.

Nyllius, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 365; *Hem. Fabr.* i. 98.

2. DICROTELUS ASPERATUS.

Nyllius asperatus, *Stal, Ofv. K. V. Ak. Forh.* xvi. 366.

Australia.

Genus 15. EUAGORAS.

Evagoras, *Burm. Handb. Ent.* ii. 226. *Serv. Hist. Hem.* 368.

America.

Div. 1.

Zelus, *Stal, Ent. Zeit. Stett.* xxiii. 249.

1. EUAGORAS LONGIPES.

———, *Gronov. Zoon.* 709—*Cimex longipes*, *Linn. Syst. Nat.* i. 2, 724—*Reduvius longipes*, *Fabr. Ent. Syst.* iv. 283—*Zelus longipes*, *Fabr. Syst. Rhyn.* 283—*Reduvius rubidus*, *St. Farg. et Serv. Enc.* x. 278—*Evagoras rubidus*, *Serv. Hist. Hem.* 368—*Evagoras speciosus*, *H.-Sch. Wanz. Ins.* viii. 45, pl. 264, f. 818—*Zelus bilobus*, *Say, Works ed. Leconte*, i. 306—*Evagoras tricolor*, *H.-Sch. Wanz. Ins.* viii. 45, pl. 264, f. 817—*Evagoras speciosus*, *Burm. Handb. Ent.* ii. 227—*Zelus longipes*, *Stal, Stett. Ent. Zeit.* xxiii. 449.

North America.

a. Mexico. Presented by E. P. Coffin, Esq.

b, c. St. Domingo. From Mr. Tweedie's collection.

- d. Venezuela. From Mr. Birschell's collection.
 e. Columbia. From M. Goudot's collection.
 f. Honduras. From Mr. Dyson's collection.
 g—i. ———?

Div. 2.

Evagoras, Stal.2. **EUAGORAS PLEBEIUS.**

plebeius, *Stal, Rio Jan. Hem.* 74.
 Rio Janeiro.

3. **EUAGORAS PROLIXUS.**

prolixus, *Stal, Rio Jan. Hem.* 74.
 Rio Janeiro.

4. **EUAGORAS RUBIDUS.**

Reduvius (Evagoras) rubidus, *Guér. Sagra Hist. Cuba, Ins.* 411.
 Cuba.

5. **EUAGORAS MODESTUS.**

modestus, *Stal, Rio Jan. Hem.* 74.
 Rio Janeiro.

6. **EUAGORAS TRIMACULICOLLIS.**

trimaculicollis, *Stal, Ofv. K. V. Ak. Forh.* xii. 189.
 Brazil.

7. **EUAGORAS NIGRICORNIS.**

nigricornis, *Stal, Ofv. K. V. Ak. Forh.* xii. 189.
 Minas Geraes.

8. **EUAGORAS PALLESCENS.**

Evagoras pallescens, *H.-Sch. Wanz. Ins.* ix. 123.
 Brazil.

9. **EUAGORAS VERSICOLOR.**

Evagoras versicolor, *H.-Sch. Wanz. Ins.* viii. 46, pl. 264, f. 820.
 a. Columbia. From M. Goudot's collection.

Africa.

Div. 1.

Vestula, *Stal, Hem. Afr.* iii. 65.

10. **EUAGORAS LINEATICEPS.**

lineaticeps, *Sgnt. Arch. Ent.* ii. 327—*Darbanus rugulosissimus*, *Stal, Ofv. K. V. Ak. Forh.* xv. 447—*Vestula lineaticeps*, *Stal, Hem. Afr.* iii. 65.
 Old Calabar.

11. EUAGORAS PAUPER.

Vestula paupera, Stal, *Hem. Afr.* iii. 66.

Calabar.

This and the following may be varieties of *E. lineaticeps*.

12. EUAGORAS OBSCURIPES.

Vestula obscuripes, Stal, *Hem. Afr.* iii. 46.

Guinea.

Div. 2.

Pisilus, Stal, *Ofv. K. V. Ak. Forh.* xv. 447; *Hem. Afr.* iii. 66.

13. EUAGORAS TIPULIFORMIS.

Gerris tipuliformis, Fabr. *Ent. Syst.* iv. 190—*Reduvius elongatus*, Fabr. *Ent. Syst.* iv. 208—*Zelus tipuliformis*, Fabr. *Syst. Rhyn.* 283—*Zelus elongatus*, Fabr. *Syst. Rhyn.* 270—*Zelus marginalis*, Pal. Beauv. *Ins.* 66, *Hém.* pl. 2, f. 6—*Euagoras nigripes*, Sgnt. *Arch. Ent.* ii. 326—*Euagoras marginatus*, Sgnt. *Arch. Ent.* ii. 326—*Pisilus marginalis*, Stal, *Ofv. K. V. Ak. Forh.* xv. 447—*Pisilus tipuliformis*, Stal, *Hem. Afr.* iii. 67.

Guinea. Old Calabar.

a—c. Sierra Leone. Presented by the Rev. D. F. Morgan.

Div. 3.

Archilochus, Stal, *Hem. Afr.* iii. 56.

14. EUAGORAS QUADRIDENS.

Reduvius quadridens, Fabr. *Ent. Syst.* iv. 200; *Syst. Rhyn.* 272—*Pristhesancus quadridens*, Sgnt. *Res. Zool.* 1851, 448, pl. 12, f. 7 (*P. lateralis*)—*Euagoras? trux*, Stal, *Ofv. K. V. Ak. Forh.* xii. 189—*Laphytes trux*, Stal, *Ent. Zeit. Stett.* xxii. 136—*Archilochus quadridens*, Stal, *Hem. Afr.* iii. 56.

Sierra Leone. Gabon.

15. EUAGORAS PUDENS.

Laphytes pudens, Stal, *Hem. Afr.* iii. 57.

Natal.

Div. 4.

Laphytes, Stal, *Ofv. K. V. Ak. Forh.* x. 263; *Hem. Afr.* iii. 57.

16. EUAGORAS PALLIDUS.

Laphytes pallidus, Stal, *Ofv. K. V. Ak. Forh.* xii. 44; *Hem. Afr.* iii. 57.

Natal.

South Asia and Eastern Isles.

Div. 1.

Velinus, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 689.

17. EUAGORAS NIGRIGENU.

nigrigenu, *Serv. Hist. Hem.* 369. *Stal, Ofv. K. V. Ak. Forh.* xvi. 204.
Java.

Div. 2.

Lamprosphodrus, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 689.

18. EUAGORAS NOBILIS.

nobilis, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 610.
Philippine Isles.

19. EUAGORAS BISPINOSUS.

Zelus bispinosus, Fabr. Syst. Rhyn. 287—*Euagoras bispinosus, Stal, Hem. Fabr.* i. 101.

Nova Cambria.

20. EUAGORAS ATRIPES.

atripes, *Stal, A. S. E. F. 4me Sér.* iii. 28.
Batchian.

21. EUAGORAS ASSEDA.

Asseda, *Stal, A. S. E. F. 4me Sér.* iii. 27.
a. Ceram. From Madame Ida Pfeiffer's collection.

22. EUAGORAS DOLOSUS.

dolosus, *Stal, A. S. E. F. 4me Sér.* iii. 28.
a, b. Ké. From Mr. Wallace's collection.

Div. 3.

Endochus, *Stal, Ofv. K. V. Ak. Forh.* xvi. 194; *Hem. Afr.* iii. 51.

23. EUAGORAS ALBOMACULATUS.

Endochus albomaculatus, Stal, Ofv. K. Vet. Ak. Forh. xvi. 194.
Ceylon.

24. EUAGORAS NEBULO.

Endochus nebulo, Stal, A. S. E. F. 4me Sér. iii. 27.
North China.

25. EUAGORAS FAMULUS.

Endochus famulus, Stal, A. S. E. F. 4me Sér. iii. 27.
a. North Hindostan. From Capt. Reid's collection.

26. EUAGORAS CINGALENSIS.

Endochus cingalensis, *Stal, Stett. Ent. Zeit.* xxii. 135.
Ceylon.

27. EUAGORAS CONSORS.

Endochus consors, *Stal, Stett. Ent. Zeit.* xxii. 135.
Ceylon.

28. EUAGORAS ATRISPINUS.

Endochus atrispinus, *Stal, A. S. E. F. 4me Sér.* iii. 26.
a. Hindostan. From Archdeacon Clerk's collection.
b. Sumatra. From Sir S. Raffles' collection.

29. EUAGORAS THORACICUS.

Endochus thoracicus, *Stal, A. S. E. F. 4me Sér.* iii. 26.
New Guinea.
a. Celebes. From Mr. Wallace's collection.

30. EUAGORAS DICHROUS.

Endochus dichrous, *Stal, A. S. E. F. 4me Sér.* iii. 26.
Silhet.

31. EUAGORAS NIGRICORNIS.

Endochus nigricornis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 194.
Java.

32. EUAGORAS ALBOMACULATUS.

Endochus albomaculatus, *Stal, Ofv. K. V. Ak. Forh.* xvi. 194.
Ceylon.

Div. 4.

Isyndus, *Stal.*

33. EUAGORAS HEROS.

Zelus heros, *Fabr. Syst. Rhyn.* 285—*Isyndus heros*, *Stal, Hem. Fabr.*
i. 101.
Malacca. Sumatra.

34. EUAGORAS RETICULATUS.

Isyndus Heros, *Stal, Ofv. K. Vet. Ak. Forh.* xv. 445—*Isyndus reticulatus*,
Stal, Hem. Fabr. i. 101.

35. EUAGORAS ULYSSES.

Isyndus Ulysses, *Stal, A. S. E. F. 4me Sér.* iii. 28.
Laos.

36. EUAGORAS OBSCURUS.

Isyndus obscurus, *Stal*, *A. S. E. F. 4me Sér.* iii. 28.

Japan.

a. North China. From Mr. Fortune's collection.

Div. 5.

Epidaus, *Stal*, *Ofv. K. V. Ak. Forh.* xvi. 193.

37. EUAGORAS LATISPINUS.

Epidaus latispinus, *Stal*, *A. S. E. F. 4me Sér.* iii. 25.

Malacca.

a. Sumatra. From Sir S. Raffles' collection.

38. EUAGORAS CONSPERSUS.

Epidaus conspersus, *Stal*, *A. S. E. F. 4me Sér.* iii. 26.

a. Hindostan. From Archdeacon Clerk's collection.

39. EUAGORAS FURCULATUS.

Epidaus furculatus, *Stal*, *A. S. E. F. 4me Sér.* iii. 25.

a. Sarawak. From Mr. Wallace's collection.

40. EUAGORAS VALIDISPINUS.

Epidaus validispinus, *Stal*, *A. S. E. F. 4me Sér.* iii. 25.

a. Malacca. From Mr. Wallace's collection.

41. EUAGORAS TRANSVERSUS.

Zelus transversus, *Burm. Meyen's Reise*, 427—*Epidaus transversus*, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 193.

a. Philippine Isles. From Mr. Cuming's collection.

42. EUAGORAS MACULIGER.

Epidaus maculiger, *Stal*, *Ofv. K. Vet. Ak. Forh.* xvi. 193.

Philippine Isles.

Div. 6.

Ribirbus, *Stal*, *Stett. Ent. Zeit.* xxii. 131.

43. EUAGORAS TROCHANTERICUS.

Ribirbus trochantericus, *Stal*, *Stett. Ent. Zeit.* xxii. 132.

Ceylon.

Div. 7.

Gen. *Sphactes*. Subgen. *Sphactes*, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 687.

44. EUAGORAS HEMIOCHRUS.

Sphactes (S.) *hemiochrus*, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 688.
Philippine Isles.

Div. 8.

Gen. *Sphactes*. Subgen. *Lissonyctes*, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 688.

45. EUAGORAS POLITUS.

Sphactes (L.) *politus*, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 688.
Philippine Isles.

Australia.

Div. 1.

Pnirus, *Stal, Ofv. K. V. Ak. Forh.* xvii. 364.

46. EUAGORAS NOTATICOLLIS.

Pnirus notaticollis, *Stal, Ofv. K. V. Ak. Forh.* xvii. 364.
Australia.

Genus 16. ISOCONDYLUS.

Isocondylus, *Serv. Hist. Hem.* 369.

1. ISOCONDYLUS ELONGATUS.

Reduvius elongatus, *St. Farg. et Serv. Enc.* x. 278—*Isocondylus elongatus*,
Serv. Hist. Hem. 369.

Brazil.

2. ISOCONDYLUS FUSCIPES.

fuscipes, *Stal, Ofv. K. V. Ak. Forh.* xii. 189.
Mexico.

Genus 17. DIPLodus.

Diplodus, *Serv. Hist. Hem.* 370.

1. DIPLodus ARMILLATUS.

Reduvius armillatus, *St. Farg. et Serv. Enc.* x. 278—*Diplodus armillatus*,
Serv. Hist. Hem. 370.

a, b. Brazil.

2. DIPLodus BRASILIENSIS.

Reduvius brasiliensis, *St. Farg. et Serv. Enc.* x. 270—*Diplodus brasiliensis*,
Serv. Hist. Hem. 370.

Brazil.

3. DIPLODUS LURIDUS.

Zelus luridus, *Stal, Stett. Ent. Zeit.* xxiii. 452.
Carolina.

4. DIPLODUS RUFICEPS.

Zelus ruficeps, *Stal, Stett. Ent. Zeit.* xxiii. 453.
Mexico.

5. DIPLODUS TETRACANTHUS.

Zelus (Pindus) tetracanthus, *Stal, Stett. Ent. Zeit.* xxiii. 454.
Mexico.

6. DIPLODUS EXSANGUIS.

Zelus exsanguis, *Stal, Stett. Ent. Zeit.* xxiii. 452.
Mexico.

7. DIPLODUS JANUS.

Zelus Janus, *Stal, Stett. Ent. Zeit.* xxiii. 452.
Mexico.

8. DIPLODUS AMBULANS.

Zelus ambulans, *Stal, Stett. Ent. Zeit.* xxiii. 451.
Mexico.

9. DIPLODUS LITIGIOSUS.

Zelus litigiosus, *Stal, Stett. Ent. Zeit.* xxiii. 453.
Mexico.

10. DIPLODUS MIMUS.

Zelus mimus, *Stal, Stett. Ent. Zeit.* xxiii. 451.
Mexico.

11. DIPLODUS UMBRATILIS.

Zelus umbratilis, *Stal, Stett. Ent. Zeit.* xxiii. 451.
Mexico.

12. DIPLODUS GRASSANS.

Zelus grassans, *Stal, Stett. Ent. Zeit.* xxiii. 450.
Mexico.

13. DIPLODUS NUGAX.

Zelus nugax, *Stal, Stett. Ent. Zeit.* xxiii. 450.
Mexico.

14. DIPLodus COGNATUS.

cognatus, *Costa, Ann. Mus. Zool. Nap.* ii. 81.
Mexico.

15. DIPLodus MACTANS.

Zelus mactans, *Stal, Stett. Ent. Zeit.* xxiii. 148.
Cuba.

16. DIPLodus DISPAR.

Zelus dispar, *Fabr. Syst. Rhyn.* 291—*Diplodus dispar*, *Stal, Hem. Fabr.* i. 109.
South America.

17. DIPLodus ERYTHROCEPHALUS.

Zelus erythrocephalus, *Fabr. Syst. Rhyn.* 283—*Euagoras erythrocephalus*, *Burm. Handb. Ent.* ii. 227—*Diplodus erythrocephalus*, *Stal, Hem. Fabr.* i. 110.
South America.

18. DIPLodus PEDESTRIS.

Zelus pedestris, *Fabr. Syst. Rhyn.* 288—*Diplodus pedestris*, *Stal, Hem. Fabr.* i. 109.
South America.

19. DIPLodus SPHEGEUS.

Zelus Sphegeus, *Fabr. Syst. Rhyn.* 287—*Diplodus Sphegeus*, *Stal, Hem. Fabr.* i. 109.
South America.

20. DIPLodus SUBFASCIATUS.

subfasciatus, *Stal, Rio Jan. Hem.* 75.
Rio Janeiro.

21. DIPLodus OBSCURIDORSIS.

obscuridorsis, *Stal, Rio Jan. Hem.* 75.
Rio Janeiro.

22. DIPLodus CONJUNGENS.

conjungens, *Stal, Rio Jan. Hem.* 75.
Rio Janeiro.

23. *DIPLODUS GUTTIFER*.

guttifer, *H.-Sch. Wanz. Ins.* viii. 36, pl. f. 810. *Stal, Rio Jan. Hem.* 74.
Rio Janeiro.

24. *DIPLODUS NIGRISPINUS*.

Euagoras nigrispinus, *H.-Sch. Wanz. Ins.* viii. 47, pl. 263, f. 816.
Rio Janeiro.

25. *DIPLODUS ANNULOSUS*.

annulosus, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 299.
Amazon Region.

26. *DIPLODUS PLAGIATUS*.

plagiatus, *Sgnt. A. S. E. F. 4me Sér.* ii. 585.
Jurimaguas, Peru.

Country unknown.

27. *DIPLODUS VARIUS*.

Euagoras varius, *H.-Sch. Wanz. Ins.* ix. 122.

Div. 2.

Hygromystes, *Stal, Rio Jan. Hem.* 75.

28. *DIPLODUS LAUTUS*.

Hygromystes lautus, *Stal, Rio Jan. Hem.* 75.
Rio Janeiro.

Genus 18. *DARBANUS*.

Darbanus, *Serv. Hist. Hem.* 370.

1. *DARBANUS PLAGIATUS*.

Zelus plagiatus, *Burm. Meyen's Reise*, 427—*Darbanus nigrolineatus*, *Serv. Hist. Hem.* 371—*Darbanus plagiatus*, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 194—*Euagoras plagiatus*, *Stal, Stett. Ent. Zeit.* xxii. 136.
Java. Manilla.

Div. 2.

2. *DARBANUS FUSCISPINUS*.

Darbanus fuscispinus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 194—*Euagoras fuscispinus*, *Stal, Stett. Ent. Zeit.* xxii. 135.
Ceylon.

3. DARBANUS LATICORNIS.

Euagoras laticornis, *H.-Sch. Wanz. Ins.* ix. 123, pl. 309, f. c.
Brazil.

Genus 19. PASSALEUTES.

Passaleutes, *Serv. Hist. Hem.* 371.

1. PASSALEUTES GENICULATUS.

Reduvius geniculatus, *St. Farg. et Serv. Enc.* x. 27—*Passaleutes geniculatus*, *Serv. Hist. Hem.* 371.

South America.

Genus 20. SAICA.

Saica, *Serv. Hist. Hem.* 371.

Div. 1. Saicina, *Stal.*

1. SAICA RUBELLA.

rubella, *Serv. Hist. Hem.* 372.

Cayenne.

2. SAICA FUSCIPES.

fuscipes, *Stal, Stett. Ent. Zeit.* xxiii. 441.

Mexico.

3. SAICA TIBIALIS.

tibialis, *Stal, Stett. Ent. Zeit.* xxiii. 441.

Mexico.

4. SAICA FUSCOVITTATA.

fuscovittata, *Stal, Eug. Resa*, 262.

Philippine Isles.

5. SAICA LONGIPES.

longipes, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 701.

Philippine Isles.

6. SAICA TRIACANTHARIS.

Zelus triacantharis, *Fabr. Syst. Rhyn.* 290 — *Saica triacantharis*, *Stal, Hem. Fabr.* i. 130.

Australia.

7. SAICA RECURVATA.

Zelus recurvatus, *Fabr. Syst. Rhyn.* 286—*Saica recurvata*, *Stal, Hem. Afr.* i. 129.

South America.

8. SAICA ACANTHOPHORA.

Ploiaria acanthifera, *Mtrz. A. S. E. F. 4me Sér.* i. 70—*Saica acanthophora*, *Stal, A. S. E. F. 4me Sér.* iv. 59.

Lifu.

Div. 2.

Bactrodida, *Stal, Stett. Ent. Zeit.* xxiii. 442—*Bactrodes*, *Stal.*

9. SAICA SPINULOSA.

Bactrodes spinulosus, *Stal, Stett. Ent. Zeit.* xxiii. 442.

Mexico.

10. SAICA FEMORATA.

Zelus femoratus, *Fabr. Syst. Rhyn.* 291—*Bactrodes femoratus*, *Stal, Hem. Fabr.* i. 130.

South America.

Div. 3.

Tagalis, *Stal, Rio Jan. Hem.* 76.

11. SAICA INORNATA.

Tagalis inornata, *Stal, Rio Jan. Hem.* 76.

Rio Janeiro.

Genus 21. MYOCORIS.

Myocoris, *Burm. Handb. Ent.* ii. 226; *Trans. Ent. Soc. Lond.* ii. 104. *Serv. Hist. Hem.* 372.

Div. 1.

Cosmonyttus, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 295.

1. MYOCORIS NIGRICEPS.

nigriceps, *Burm. Handb. Ent.* ii. 226; *Trans. Ent. Soc. Lond.* ii. 105.

Bahia.

a. ———?

2. MYOCORIS TIPULIFORMIS.

tipuliformis, *Burm. Trans. Ent. Soc. Lond.* ii. 105.

Rio Janeiro.

3. MYOCORIS RUBRITHORAX.

rubrithorax, *Serv. Hist. Hem.* 372.

Cayenne.

Div. 2.

Rocconota, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 370.

4. MYOCORIS ICHNEUMONEUS.

Zelus ichneumoneus, *Fabr. Syst. Rhyn.* 286—*Cosmonyctus ichneumoneus*,
Stal, Hem. Fabr. i. 103.

Brazil.

5. MYOCORIS SEXTUBERCULATUS.

Rocconota sextuberculata, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 370.

Brazil.

6. MYOCORIS SEXDENTATUS.

Rocconota sexdentata, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 370.

Columbia.

Div. 3.

Hiranetis, *Spin.*

7. MYOCORIS POMPILOIDES.

pompiloides, *Klug, Burm. Trans. Ent. Soc. Lond.* ii. 106—*Hiranetis*
pompiloides, *Stal.*

Cameta.

8. MYOCORIS BRACONIFORMIS.

——, *Stoll, Pun.* pl. 21, f. 147—*Myocoris braconiformis*, *Klug, Burm.*
Handb. Ent. ii. 226; *Trans. Ent. Soc. Lond.* ii. 107—*Hiranetis*
Braconiformis, *Stal.*

Para.

9. MYOCORIS BARBIPES.

barbipes, *Burm. Trans. Ent. Soc. Lond.* ii. 187—*membranaceus*, *Spin.*—
Hiranetis barbipes, *Stal.*

Rio Janeiro.

10. MYOCORIS SUBANNULATUS.

Hiranetis subannulata, *Stal, Rio Jan. Hem.* 77.

Rio Janeiro.

11. MYOCORIS SIMULANS.

Hiranetis simulans, *Stal, Rio Jan. Hem.* 77.

Rio Janeiro.

12. *MYOCORIS DANA*.

Dana. *King. Bern. Trans. Ent. Soc. Lond.* ii. 183—*Hirnetis* *Dan*
Stal.

Pan.

13. *MYOCORIS PUNCTATUS*.

punctatus, *Bern. Handb. Ent.* ii. 163—*Hirnetis punctata*, *Stal*

Pan.

DIV. 4.

Graptocleptes, *Stal, Op. K. V. Ab. Fark.* xxiii. 294.

14. *MYOCORIS GASTRICA*.

Hirnetis gastrica, *Stal, Rio Jan. Hem.* 76.

Rio Janeiro.

15. *MYOCORIS FASCIATUS*.

Reduvius fasciatus, *Fabr. Ent. Syst.* iv. 207—*Zelus fasciatus*, *Fabr. &*
Rhyn. 288—*Myocoris gracilis*, *Bern. Trans. Ent. Soc.* ii. 2, 106
11, f. 5—*Graptocleptes fasciatus*, *Stal, Hem. Fabr.* i. 103.

Ceyenne. Bahia.

16. *MYOCORIS FUSCOAPICATUS*.

Hirnetis fusco-apicata, *Stal, Rio Jan. Hem.* 76.

Rio Janeiro.

17. *MYOCORIS FLAVIDATUS*.

Hirnetis flavidata, *Stal, Rio Jan. Hem.* 76.

Rio Janeiro.

18. *MYOCORIS ORNATICEPS*.

Hirnetis ornaticeps, *Stal, Rio Jan. Hem.* 77.

Rio Janeiro.

19. *MYOCORIS HÆMATOGASTER*.

Hirnetis hæmatogastra, *Stal, Rio Jan. Hem.* 77.

Rio Janeiro.

20. *MYOCORIS SANGUINIVENTRIS*.

Hirnetis sanguiniventris, *Stal, Stett. Ent. Zeit.* xxiii. 448.

Mexico.

21. *MYOCORIS SIMULANS*.

Hirnetis simulans, *Stal, Rio Jan. Hem.* 77.

Rio Janeiro.

Div. 5.

Amaurosphodrus, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 295.

22. *MYOCORIS BICOLOR*.

bicolor, *Burm. Trans. Ent. Soc. Lond.* ii. 107.

Brazil.

Div. 6.

Spinda, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 371.

23. *MYOCORIS TRINOTATUS*.

Spinda trinotata, *Stal, Ofv. K. Vet. Ak. Forh.* xxiii. 297.

Mexico.

24. *MYOCORIS SPISSICORNIS*.

Hirantetis spissicornis, *Stal, Rio Jan. Hem.* 77—*Spinda spissicornis*, *Stal.*
Rio Janeiro.

Div. 7.

Cutocoris, *Stal, Ofv. K. V. Ak. Forh.* xvii. 374.

25. *MYOCORIS GILVUS*.

gilvus, *Klug, Burm. Trans. Ent. Soc. Lond.* ii. 104—*Cutocoris gilvus*,
Stal.

Ceylon. Sumatra. Java.

26. *MYOCORIS MELANOPUS*.

Cutocoris melanopus, *Stal, Ofv. K. V. Ak. Forh.* xvii. 374.

Java.

Genus 22. *ZELUS*.

Zelus, *Fabr. Burm. Handb. Ent.* ii. 225. *Serv. Hist. Hem.* 373.

America.

Div. 1.

Ricollis, *Stal, Ofv. K. V. Ak. Forh.* xvii. 367.

1. *ZELUS QUADRISPINOSUS*.

Cimex quadrispinosus, *Linn. Syst. Nat.* ii. 720. *Deg. Ins.* iii. 347, pl. 35,
f. 7—*Alydus quadrispinosus*, *Fabr. Syst. Rhyn.* 251—*Zelus coronatus*,
Fabr. Syst. Rhyn. 280. *Burm. Handb. Ent.* ii. 225—*Zelus quadri-*
spinosus, *Blanch. Hist. Nat. Ins.* iii. 101. *Serv. Hist. Hem.* 373.

Cayenne.

a—c. Brazil.

2. *ZELUS PALLIDINERVIS.*

Ricolla pallidinervis, *Stal, Ofv. K. V. Ak. Forh.* xvii. 367.
Caraccas.

3. *ZELUS SIMILLIMUS.*

Bicolla simillima, *Stal, Ofv. K. V. Ak. Forh.* xvii. 367.
Mexico.

Div. 2.

Doldina, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 368.

4. *ZELUS CARINULATUS.*

Doldina carinulata, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 368.
Brazil.

Div. 3.

Repipta, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 369.

5. *ZELUS LINEATUS.*

lineatus, *Serv. Hist. Hem.* 373—*Repipta lineata*, *Stal.*

6. *ZELUS FLAVICANS.*

flavicans, *Serv. Hist. Hem.* 374—*lateralis*, *H.-Sch. Wanz. Ins.* ix. 120—
Repipta flavicans, *Stal.*
Brazil. Cayenne.

7. *ZELUS COCCINEUS.*

coccineus, *H.-Sch. Wanz. Ins.* ix. 120—*Repipta coccinea*, *Stal.*
Brazil.

8. *ZELUS FUSCOSPINOSUS.*

Repipta fuscospinosa, *Stal, Ofv. K. V. Ak. Forh.* xvi. 367.
Brazil.

9. *ZELUS FUSCOMARGINATUS.*

Repipta fuscomarginata, *Stal, Ofv. K. V. Ak. Forh.* xvi. 369.
Brazil.

10. *ZELUS LEPIDULUS.*

Repipta lepidula, *Stal, Ofv. K. V. Ak. Forh.* xxiii. 296.
Amazon Region.

11. *ZELUS SEXDENS*.

Zelus sexdens, *Fabr. Syst. Rhyn.* 287—*Repicta sexdens*, *Stal, Hem. Fabr.* i. 102.

South America.

12. *ZELUS PLAGIATICOLLIS*.

Castolus plagiaticollis, *Stal, Ofv. K. V. Ak. Forh.* xv. 447—*Repicta plagiaticollis*, *Stal, Stett. Ent. Zeit.* xxiii. 447.

Mexico.

13. *ZELUS NIGRONOTATUS*.

Repicta nigronotata, *Stal, Stett. Ent. Zeit.* xxiii. 447.

Mexico.

14. *ZELUS TAURUS*.

Zelus Taurus, *Fabr. Syst. Rhyn.* 291—*Zelus lineatus*, *Serv. Hist. Hem.* 373—*Repicta Taurus*, *Stal, Stett. Ent. Zeit.* xxiii. 446.

North America. Mexico.

15. *ZELUS TUBERCULIGER*.

Repicta tuberculiger, *Stal, Stett. Ent. Zeit.* xxiii. 447.

Mexico.

16. *ZELUS SUBINERMIS*.

Repicta subinermis, *Stal, Stett. Ent. Zeit.* xxiii. 447.

Mexico.

17. *ZELUS FUSCIPES*.

Isocondylus fuscipes, [*Stal, Ofv. K. Vet. Ak. Forh.* xii. 189—*Repicta fuscipes*, *Stal, Stett. Ent. Zeit.* xxiii. 446.

Mexico.

18. *ZELUS SPINOSUS*.

Zelus spinosus, *Fabr. Syst. Rhyn.* 290—*Repicta spinosa*, *Stal, Hem. Fabr.* i. 102.

South America.

Div. 4.

Phorobura, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 368.

19. *ZELUS CRASSICORNIS*.

crassicornis, *Burm. Handb. Ent.* ii. 225.

Monte Video.

20. ZELUS FUSCOMARGINATUS.

Zelus fuscmarginatus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 369.
Brazil.

21. ZELUS IGNOBILIS.

Phorobura ignobilis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 1859, 368.
Perambuco.

22. ZELUS RUSTICUS.

Phorobura rustica, *Stal, Ofv. K. V. Ak. Forh.* xvi. 368.
Brazil.

Div. 5.

Corcia, *Stal, Ofv. K. V. Ak. Forh.* xvii. 368.

23. ZELUS COLUMBICUS.

Corcia Columbica, *Stal, Ofv. K. Vet. Ak. Forh.* xvii. 369.
New Granada.

24. ZELUS CAPITATUS.

Corcia capitata, *Stal, Ofv. K. V. Ak. Forh.* xvii. 369.
New Granada.

Div. 6.

Pirnonota, *Stal, Ofv. K. V. Ak. Forh.* xvii. 369.

25. ZELUS CONVEXICOLLIS.

Pirnonota convexicollis, *Stal, Ofv. K. V. Ak. Forh.* xvii. 370.
Rio Janeiro.

26. ZELUS MACILENTUS.

——, *Stoll, Pun.* pl. 27, f. 192—*Zelus macilentus*, *Burm. Handb. Ent.*
ii. 225.

Para.

27. ZELUS MEANS.

means, *Fabr. Syst. Rhyn.* 282. *Stal, Hem. Fabr.* i. 107.
South America.

28. ZELUS VAGANS.

vagans, *Fabr. Syst. Rhyn.* 284. *Stal, Hem. Fabr.* i. 108.
South America.

29. ZELUS ERRANS.

errans, *Fabr. Syst. Rhyn.* 282. *Stal, Hem. Fabr.* i. 108—*cursitans*, *Fabr. Syst. Rhyn.* 284.

South America.

Div. 7.

Ischnoclopius, *Stal, Hem. Fabr.* i. 106.

30. ZELUS FESTINANS.

festinans, *Fabr. Syst. Rhyn.* 281—*Ischnoclopius festinans*, *Stal, Hem. Fabr.* i. 107.

South America.

Div. 8.

Nagusta, *Stal, Ofv. K. V. Ak. Forh.* xvii. 374; *Hem. Afr.* iii. 59.

31. ZELUS RUGULOSUS.

Nagusta rugulosa, *Stal, Ofv. K. V. Ak. Forh.* xvii. 375.

Brussa. Mermeriza.

32. ZELUS PUNCTATICOLLIS.

Nagusta punctaticollis, *Stal, Hem. Afr.* iii. 59.

Senegal.

33. ZELUS PRÆCATORIUS.

Gerris præcatorius, *Fabr. Ent. Syst.* iv. 190—*Zelus præcatorius*, *Fabr. Syst. Rhyn.* 283—*Nagusta præcatoria*, *Stal, Hem. Fabr.* i. 100.

Guinea.

Div. 9.

Polididus, *Stal, Ofv. K. V. Ak. Forh.* xvii. 375.

34. ZELUS ARMATISSIMUS.

Polididus armatissimus, *Stal, Ofv. K. V. Ak. Forh.* xvii. 376.

Ceylon.

Div. 10.

Dalytra, *Stal.*

35. ZELUS RAPAX.

rapax, *Stal, Eug. Resa*, 262—*Dalytra rapax*, *Stal.*

Philippine Isles.

Div. 11.

Debilis, *Stal*, *Ofv. K. V. Ak. Forh.* xvii. 375.

This division with *Alcmena* constitutes *Alcmenida*, *Stal*.

36. *ZELUS FUSCIVENTRIS*.

Debilis fusciventris, *Stal*, *Ofv. K. V. Ak. Forh.* xvii. 375.

Brazil?

Div. 12.

Amaurosphodrus, *Stal*.

37. *ZELUS ALBO-ANNULATUS*.

Zelus albomaculatus, *Stal*, *Ofv. K. Vet. Ak. Forh.* xii. 189—*Amaurosphodrus albo-annulatus*, *Stal*, *Ofv. K. Vet. Ak. Forh.* xxiii. 297.

Mexico. New Granada.

Div. ?

38. *ZELUS OBSCURIPES*.

obscuripes, *Stal*, *Rio Jan. Hem.* 77.

Rio Janeiro.

39. *ZELUS OCHRACEUS*.

ochraceus, *H.-Sch. Wanz. Ins.* ix. 121.

Brazil.

40. *ZELUS ANTICUS*.

anticus, *Stal*, *Rio Jan. Hem.* 78.

Rio Janeiro.

41. *ZELUS MACER*.

macer, *Stal*, *Rio Jan. Hem.* 78.

Rio Janeiro.

42. *ZELUS LONGUS*.

longus, *Stal*, *Rio Jan. Hem.* 78.

Rio Janeiro.

43. *ZELUS PILICORNIS*.

pilicornis, *Stal*, *Rio Jan. Hem.* 78.

Rio Janeiro.

44. *ZELUS SAHLBERGI*.

Sahlbergi, *Stal*, *Rio Jan. Hem.* 78.

Rio Janeiro.

45. *ZELUS OLAVATUS.*

olavatus, *Guér. Sagra, Hist. Cuba, Ins.* 412, pl. 13, f. 13.
Cuba.

46. *ZELUS VARIPES.*

varipes, *H.-Sch. Wanz. Ins.* ix. 121.
Brazil.

47. *ZELUS MARGINATUS.*

marginatus, *Mitx. Ann. Sci. Phy. et Nat. 2me Sér.* vii. 1, 110.
Woodlark.

Genus 23. *ATRACHELUS.*

Atrachelus, *Serv. Hist. Hem.* 374.

1. *ATRACHELUS HETEROGENEUS.*

heterogeneous, *Serv. Hist. Hem.* 374, pl. 7, f. 4.
North America.

2. *ATRACHELUS CURVIDENS.*

curvidens, *Sgnt. A. S. R. F. 4me Sér.* iii. 580.
Chili.

Genus 24. *HEZA.*

Heza, *Serv. Hist. Hem.* 374—*Hezina*, *Stal.*

1. *HEZA BINOTATA.*

Reduvius binotatus, *St. Farg. et Serv. Enc.* x. 277—*Heza binotata*, *Serv. Hist. Hem.* 375. *Stal, Hem. Fabr.* i. 100.
Brazil.

2. *HEZA OCTOSPINOSA.*

Zelus octospinosus, *Fabr. Syst. Rhyn.* 289—*Zelus macilentus*, *Burm. Handb. Ent.* ii. 1, 225—*Heza macilenta*, *Stal, Ofv. K. V. Ak. Forh.* xvi. 199—*Heza octospinosa*, *Stal, Hem. Fabr.* i. 99.
South America.

3. *HEZA SIMILIS.*

similis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 199; *Hem. Fabr.* i. 100.
Columbia.

4. *HEZA PULCHRIPE.*

pulehripes, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 199; *Hem. Fabr.* i. 100.
Porto Rico.

5. HEZA SERICANS.

sericans, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 199; *Hem. Fabr.* i. 100.
Rio Janeiro.

6. HEZA OCULATA.

oculata, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 200; *Hem. Fabr.* i. 100.
Cametá.

7. HEZA INSIGNIS.

insignis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 198; *Hem. Fabr.* i. 100.
Brazil.

8. HEZA SPHINX.

sphinx, *Stal, A. S. E. F. 4me Sér.* iii. 31; *Hem. Fabr.* i. 100.
a. Ega.

9. HEZA MULTIANNULATA.

multiannulata, *Stal, Rio Jan. Hem.* 78; *Hem. Fabr.* i. 100.
Rio Janeiro.

10. HEZA FEROX.

ferox, *Stal, A. S. E. F. 4me Sér.* iii. 31.
a. Amazon Region.

11. HEZA PUNCTIGERA.

Zelus punctiger, H.-Sch. Wanz. Ins. ix. 121.

Genus 25. SINEA.

Sinea, Serv. Hist. Hem. 375.

Some of the American species have been distinguished as follows:—

Mexico.

A. Fore femora with a long spine above near the tips.

a. Fore lobe of the prothorax spiny.

* Fourth, fifth and sixth segments of the abdomen
hardly in the male, distinctly in the female,
roundly dilated. - - - - -

multispinosa.

** Abdomen in the middle very slightly widened; fourth,
fifth and sixth segments not dilated. - - -

integra.

b. Fore lobe of the prothorax granulated, sometimes
with a few minute spines.

* Hind lobe of the prothorax obtusely bituberculate,
granulated. - - - - -

coronata.

** Hind lobe of the prothorax slightly convex, slightly
impressed lengthwise in the middle.

- † Side angles of the hind lobe of the prothorax extending outward. - - - - - sanguisuga.
 †† Side angles of the hind lobe of the prothorax extending hindward. - - - - - raptoria.
 B. Fore femora with no long spines, but with a very slight tubercle above near the tips. - - - - - defecta.

1. SINEA MULTISPINOSA.

Cimex multispinosus, *Deg. Ins.* iii. 348—*Reduvius diadema*, *Fabr. Gen. Ins. Mant.* 302; *Sp. Ins.* ii. 382; *Mant. Ins.* ii. 313; *Ent. Syst.* iv. 206—*Zelus diadema*, *Fabr. Syst. Rhyn.* 286—*Reduvius raptorius*, *Say, Works ed. Leconte*, i. 72, pl. 36, f. 1—*Sinea multispinosa*, *Serv. Hist. Hem.* 375. *Stal, Stett. Ent. Zeit.* xxiii. 443.

North America. Mexico.

a—d. ———? Presented by F. Walker, Esq.

Div. 2.

2. SINEA PUNCTIPES.

punctipes, *Serv. Hist. Hem.* 376—*Milyas punctipes*, *Stal.* Mexico. Cayenne.

3. SINEA ZEBRA.

Milyas Zebra, *Stal, Stett. Ent. Zeit.* xxiii. 448. Mexico.

4. SINEA GRANULIGERA.

granuligera, *Stal, Rio Jan. Hem.* 79. Rio Janeiro.

5. SINEA CORONATA.

coronata, *Stal, Stett. Ent. Zeit.* xxiii. 444. Mexico.

6. SINEA SANGUISUGA.

sanguisuga, *Stal, Stett. Ent. Zeit.* xxiii. 444. Mexico.

7. SINEA RAPTORIA.

raptoria, *Stal, Stett. Ent. Zeit.* xxiii. 444. Mexico.

8. SINEA INTEGRA.

integra, *Stal, Stett. Ent. Zeit.* xxiii. 443. Mexico.

9. *SINEA DEFECTA*.*defecta*, *Stal, Stett. Ent. Zeit.* xxiii. 445.

Mexico.

Div. 3.

Asera, *Stal, Stett. Ent. Zeit.* xxiii. 445.10. *SINEA TABIDA*.*Asera tabida*, *Stal, Stett. Ent. Zeit.* xxiii. 445.

Mexico.

Div. 4.

Acholla, *Stal, Stett. Ent. Zeit.* xxiii. 445.11. *SINEA SEXSPINOSA*.*Reduvius sexspinosus*, *Wolff, Icon. Cim.* iii. 124, pl. 12, f. 118—*Harpax subarmatus*, *H.-Sch. Wanz. Ins.* viii. 83, pl. 276, f. 852—*Acholla spinosa*, *Stal, Stett. Ent. Zeit.* xxiii. 445.

United States.

Div. 5.

Sindula, *Stal, Stett. Ent. Zeit.* xxii. 138.12. *SINEA GRANULIGERA*.*Sinea granuligera*, *Stal, Rio Jan. Hem.* 79—*Sindala granuligera*, *Stett. Ent. Zeit.* xxii. 139.

Rio Janeiro.

Div. 6.

Solomina, *Stal, Stett. Ent. Zeit.* xxii. 137.13. *SINEA ERINACEA*.*Solomina erinacea*, *Stal, Stett. Ent. Zeit.* xxii. 137.

Hong Kong.

14. *SINEA HOPLITES*.*hoplites*, *Dohrn, Stett. Ent. Zeit.* xx. 406.

Ceylon.

15. *SINEA PELTASTES*.*peltastes*, *Dohrn, Stett. Ent. Zeit.* xx. 406.

Ceylon.

Div. 7.

Scipinia, *Stal, Stett. Ent. Zeit.* xxii. 138.

16. *SINEA HORRIDA*.

Sinea horrida, *Stal, Eug. Resa*, 263—*Scipinia horrida*, *Stal, Stett. Ent. Zeit.* xxii. 138.

Philippine Isles.

17. *SINEA JAVANENSIS*.

Javanensis, *Serv. Hist. Hem.* 376.

Java.

Fam. 7. SACCODERIDÆ.

Saccoderidæ, *Serv. Hist. Hem.* 379.

Genus 1. SAVA.

Sava, *Serv. Hist. Hem.* 379.

1. *SAVA CORONATA*.

coronata, *Serv. Hist. Hem.* 379.

Cayenne.

Genus 2. SACCODERES.

Saccoderes, *Spin. Hem.* 114. *Serv. Hist. Hem.* 380—*Notocyrtus*, *Hoffmannsegg, H.-Sch. Wanz. Ins.* ix. 124.

Prof. Stal distinguishes the sections as follows in *Ofv. K. Vet. Ak. Forh.* xvi. 371.

- A. Head transversely callous and elevated between the eyes, with two spines in front. Prothorax entire hindward, with a stout conical spine on each side at the tip. Fore femora more or less thick; fore tibiae slightly curved, not thickened; hind tibiae thickened. - - - *Tripus, triarcatus, Camelus.*
- B. Head in front with two rather short conical spines, slightly raised before the eyes, tuberculate on each side beneath near the base. Prothorax with a short conical tubercle on each side at the tip; hind lobe much swollen, a little depressed, convex-tumid before the middle, impressed lengthwise, transversely impressed in the middle, forming a curved horn on each side just behind the middle; horn serrate hindward, tumid in the middle, more hindward, depressed and notched at the tips. Fore femora not thickened. Fore tibiae much thickened from the tips beyond the middle; four hinder tibiae more or less thickened from the base to the middle. - - - *clavipes, cinotiventris.*

- C. Head in front with two erect spines of middle size, not elevated before the eyes, not swollen beneath near the base. Prothorax with a short thick conical spine on each side at the tip, in front with a tumid extension and impressed lengthwise, then concavely compressed, with a short obtuse horn on each side in the middle, compressed and narrowed hindward, lengthened obtuse and excavated above at the tip, slightly and transversely impressed before and behind the middle. Fore femora not thickened. Fore tibiae slightly thickened towards the base; middle tibiae more so; hind tibiae gradually thickened from the base beyond the middle, then abruptly slender. *flavolineatus, consimilis, pulvinatus, gibbus.*
- D. Head with two short obtuse spines in front, not tumid beneath at the base. Prothorax with a short conical spine on each side in front; hind lobe very tumid, twice concavely compressed on each side. Fore femora not thickened. Fore tibiae very slightly thickened at the base; middle tibiae more so; hind tibiae still more so. *fungosus, inflatus, excavatus.*

1. SACCODERES INFLATUS.

Reduvius inflatus, Perty, *Del. An. Art.* 174, pl. 34, f. 12—*Saccoderes inflata*, Serv. *Hist. Hem.* 380, pl. 7, f. 1—*Notocyrtus sexfoveolatus*, H.-Sch. *Wanz. Ins.* ix. 124—*Saccoderes sexfoveolatus*, Spin. pl. 307, f. 944.

Cayenne.

2. SACCODERES VESICULOSUS.

Reduvius vesiculosus, Perty, *Del. An. Art.* 173, pl. 34, f. 11.

Brazil.

3. SACCODERES GIBBUS.

Reduvius gibbus, Fabr. *Syst. Rhyn.* 276—*Saccoderes vesiculosus*, Serv. *Hist. Hem.* 381—*Notocyrtus gibbus*, Stal, *Ofv. K. V. Ak. Forh.* xvi. 373; *Hem. Fabr.* i. 105.

South America.

4. SACCODERES CLAVIPES.

Reduvius clavipes, Fabr. *Syst. Rhyn.* 276—*Notocyrtus clavipes*, Burm. *Handb. Ent.* ii. 227. Stal, *Ofv. K. Vet. Ak. Forh.* xvi. 372.

South America.

5. SACCODERES FUNGOSUS.

Notocyrtus fungosus, Stal, *Ofv. K. Vet. Ak. Forh.* xvi. 373.

Bahia.

6. SACCODERES EXCAVATUS.

Saccoderes excavatus, Stal, *Ofv. K. Vet. Ak. Forh.* xi. 298; xvi. 374.

7. *SACCODERES DROMEDARIUS*.

Notocyrtus Dromedarius, *Stal, Stett. Ent. Zeit.* xxiii. 449.
Mexico.

8. *SACCODERES CINCTIVENTRIS*.

cinctiventris, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 373.
Brazil.

9. *SACCODERES PULVINATUS*.

Notocyrtus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 373.
Parà.

10. *SACCODERES TRIPUS*.

Notocyrtus Tripus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 371.
Cametã.

11. *SACCODERES TRIAREATUS*.

Notocyrtus triareatus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 371.
Surinam.

12. *SACCODERES CAMELUS*.

Notocyrtus Camelus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 372.
Cametã.

13. *SACCODERES FLAVOLINEATUS*.

Notocyrtus flavolineatus, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 373.
Parà.

14. *SACCODERES CONSIMILIS*.

Notocyrtus consimilis, *Stal, Ofv. K. Vet. Ak. Forh.* xvi. 373.
Bolivia.

15. *SACCODERES SEXFOVEOLATUS*.

Notocyrtus sexfoveolatus, *H.-Sch. Wenz. Ins.* ix. 124, pl. 307, f. 944.
Rio Janeiro.

16. *SACCODERES FORNICATUS*.

Zelus fornicatus, *Fabr. Syst. Rhyn.* 289.

17. *SACCODERES DORSALIS*.

Reduvius dorsalis, *Gray, Griff. Anim. Kingd.* ii. 243, pl. 91, f. 2.
a. ———?

18. *SACCODERES TRINOTATUS*.

trinotatus, *Costa, Ann. Mus. Zool. Nap.* ii. 140, pl. 2, f. 1.

NOTE.—The following genus was omitted by accident at the end of the Reduviæ.

Genus 14. DIASPIDIUS.

Diaspidius, *Westw. ed Drury, Ins.* iii. 59; *Trans. Ent. Soc. Lond.* iv. 131.
Stal, Hem. Afr. iii. 99.

1. DIASPIDIUS SCAPHA.

Cimex scapha, *Drury, Ins.* iii. App.—*Diaspidius scapha*, *Westw. ed Drury, Ins.* iii. 59, pl. 43, f. 4. *Stal, Hem. Afr.* iii. 100.

Sierra Leone.

2. DIASPIDIUS DILATATUS.

dilatatus, *Sgt. A. S. E. F. 3me Sér.* viii. 902, pl. 14, f. 7. *Stal, Hem. Afr.* iii. 100.

Bourbon. Madagascar.

LONGICOXÆ.

Fam. 1. EMESIDÆ.

Emesida, *Serv. Hist. Hem.* 393—*Emesoides*, *Spin. Tav. Emitt.* 46—*Pleorini*, *Costa, Cim. Neap. Cent.* iv. 68—*Emesina*, *Dohrn, Lin. Ent.* iv. 212—*Emesida*, *Stal, Hem. Afr.* iii. 162—*Pleorina* & *Emesina*, *Stal, Ofr. K. V. Ak. Forh.* xxvii. 702, 703.

- | | | |
|-----------------------|---|---------------|
| A. Tarsi one-jointed. | | |
| a. | Wings wanting, or not more than half as long as the abdomen. | |
| • | Fore femora cylindrical, not curved at the base. Trochanters not spiny. | |
| † | Body very long. Apical half of the fore femora toothed. | |
| ‡ | Sides of the abdomen straight; segments from the fourth to the seventh not rounded nor swollen. | EMESA. |
| ‡‡ | Abdominal segments from the fourth to the seventh more or less rounded and swollen. | GHIILIANELLA. |
| †† | Body rather short and robust. Fore femora toothed except at the base. | EMESILLA. |
| •• | Fore femora not cylindrical, curved at the base. Trochanters with one spine. | CERASCOPUS. |
| b. | Wings as long as the body or longer. | |
| • | Fore wings hyaline, clouded with brown. | LUTEVA. |
| •• | Fore wings not hyaline, nor clouded with brown. | |
| † | Trochanters with one spine. | |
| ‡ | Spine of the trochanters very large. Fore femora curved at the base. | TIXIA. |
| ‡‡ | Spine of the trochanters small. Fore femora not curved at the base. | ORTHUNGA. |
| †† | Trochanters hairy, not spiny. | LEISTARCHES. |

B. Tarsi three-jointed.

- a. Wings wanting, or only half as long as the abdomen. GARDENA.
 b. Wings as long as the abdomen, or longer.
 * Prothorax elongate, rounded hindward.
 † Fore wings entire. - - - - - WESTERMANNIA.
 ‡ Fore wings with the interior border bent near the tip. STENOLEMUS.
 ** Prothorax more or less quadrate. - - - - - PLOIARIA.

Genus 1. EMESA.

Emesa, *Fabr. Syst. Rhyn.* 263. *Burm. Handb. Ent.* ii. 223. *Serv. Hist. Hem.* 393. *Dohrn, Linn. Ent.* xiv. 215.

1. EMESA PRÆCATORIA.

præcatoria, *Fabr. Syst. Rhyn.* 263. *Burm. Handb. Ent.* ii. 223. *Serv. Hist. Hem.* 394. *Dohrn, Linn. Ent.* xiv. 233, 254. *Stal, Hem. Fabr.* i. 131—*Servillei*, *Spin. Hem.* 90.

Cayenne. Brazil.

2. EMESA BREVIPENNIS.

Ploiaria brevipennis, *Say, Amer. Ent.* iii. pl. 111, f. 47—*Emesa brevipennis*, *Dohrn, Linn. Ent.* xiv. 220.

- a. Trenton Falls, New York. Presented by E. Doubleday, Esq.
 b, c. Jamaica. From Mr. Gosse's collection.
 d. Santarem. From Mr. Bates' collection.

3. EMESA PIA.

Cimex longipes, *Deg. Ins.* iii. 352, pl. 35, f. 17, 19—*Emesa longipes*, *Dohrn, Linn. Ent.* xiv. 221—*Emesa pia*, *Serv. Hist. Hem.* 394. *H.-Sch. Wanz. Ins.* ix. 114, pl. 303, f. 937.

Pennsylvania.

4. EMESA FRATERNA.

fraterna, *Say, Ins. New Harm.* 33. *Dohrn, Linn. Ent.* xiv. 232.
 New Orleans.

5. EMESA GERSTÆCKERI.

Gerstæckeri, *Dohrn, Linn. Ent.* 223.
 St. Domingo.

6. EMESA SIGNORETI.

Signoreti, *Dohrn, Linn. Ent.* xiv. 227, pl. 1, f. 1.
 Jamaica.

7. EMESA AFFINIS.

affinis, *Dohrn, Linn. Ent.* xiv. 222.
 Columbia.

5. *Emesa varicornis*.

varicornis, *Dohrn, Linn. Ent. xiv. 203.*

Para Him.

9. *Emesa basistrigosa*.

basistrigosa, *Dohrn, Linn. Ent. xiv. 227.*

Basid.

10. *Emesa stylis*.

stylis, *Dohrn, Linn. Ent. xiv. 229, pl. 1, f. 5.*

Surinam.

11. *Emesa insculpta*.

insculpta, *Dohrn, Linn. Ent. xiv. 203.*

a. A. Sauterana. From Mr. Bates' collection.

12. *Emesa longipes*.

longipes, *Fabr. Syst. Rhyn. 263. Dohrn, Linn. Ent. xiv. 236.*

a. Rio Negro. From Mr. Wallace's collection.

A. Sauterana. From Mr. Bates' collection.

13. *Emesa dohrni*.

Dohrni, *Doubl. and Saut. Ent. M. Mag. v. 136.*

Elisa's Formica.

14. *Emesa barbara*.

barbara, *Lucas, Expt. Sci. Alg. An. Art. iii. 49, pl. 1, f. 3. Dohrn, Linn. Ent. xiv. 232.*

Algeria.

15. *Emesa filum*.

Cinet. filum, *Fabr. Musc. Ins. ii. 308*—*Gerris filum*, *Fabr. Ent. Syst. iv. 191*—*Emesa filum*, *Fabr. Syst. Rhyn. 263. Dohrn, Linn. Ent. xiv. 230*—*Emesa filum?* *Gray, Grif. Anim. Kingd. pl. 97, f. 3. Brullé, Hist. Nat. Ins. ix. 312, pl. 24, f. 1. Blanch. Hist. Nat. Ins. iii. 99.*

Hindustan. Mauritius.

16. *Emesa henrici*.

Henrici, *Dohrn, Linn. Ent. xiv. 218.*

Ceylon.

17. *Emesa invisibilis*.

invisibilis, *Dohrn, Linn. Ent. xiv. 219, pl. 1, f. 7.*

Ceylon.

Div. 2.

Bargylia, *Stal*, *Hem. Afr.* iii. 163; *Berl. Ent. Zeit.* x.

18. EMESA JUNCEA.

junces, *Erichs. Wieg.* *Arch.* viii. 285. *Dohrn*, *Linn. Ent.* xiv. 224, pl. 1, f. 6.

Australia. Tasmania.

a. ? Moreton Bay. From Mr. Diggles' collection.

19. EMESA ? MANTIS.

Mantis, *Fabr. Syst. Rhyn.* 263. *Dohrn*, *Linn. Ent.* xiv. 19.

Div. 3.

Carambis, *Stal*, *Hem. Afr.* iii. 163; *Berl. Ent. Zeit.* x. 169.

20. EMESA CASPICA.

Div. 4.

Barce, *Stal*.

21. EMESA ANNULIPES.

Barce annulipes, *Stal*, *Berl. Ent. Zeit.* x. 168.

Wisconsin.

Genus 2. GHILIANELLA.

Ghilianella, *Spin. Tav. Emitt.* 103. *Dohrn*, *Linn. Ent.* xiv. 236.

1. GHILIANELLA PILIVENTRIS.

piliventris, *Spin. Tav. Emitt.* 103. *Dohrn*, *Linn. Ent.* xiv. 237—*Emesa pycnatoria*, *Burm. Handb. Ent.* ii. 223.

a, b. Para. From Mr. Bates' collection.

2. GHILIANELLA SPINOLÆ.

Spinolæ, *Dohrn*, *Linn. Ent.* xiv. 238.

a. Santarem. From Mr. Bates' collection.

3. GHILIANELLA IGNORATA.

ignorata, *Dohrn*, *Linn. Ent.* xiv. 238, pl. 1, f. 9, 11.

Brazil. La Guayca.

a—d. Columbia. From M. Gondot's collection.

Genus 3. ISCHNOBÆNA.

Ischnobæna, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 703.

1. ISCHNOBÆNA MACERRIMA.

macerrima, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 703, pl. 8, f. 15.
Philippine Isles.

2. ISCHNOBÆNA DOHRNII.

Dohrnii, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 703.
Philippine Isles.

Genus 4. EMESELLA.

Emesella, *Dohrn, Linn. Ent.* xiv. 239.

1. EMESELLA NEBULOSA.

nebulosa, *Dohrn, Linn. Ent.* xiv. 239.
Bolivia.

2. EMESELLA DOHRNI.

Dohrni, *Sgnt. A. S. E. F. 4me Sér.* iii. 587.
Chili.

Genus 5. CERASCOPUS.

Cerascopus, *Heinck. Zool. Journ.* v. 36—*Emesodema*, *Spin. Hem.* 88.
Serv. Hist. Hem. 395. *Dohrn, Linn. Ent.* xiv. 246.

1. CERASCOPUS DOMESTICUS.

———, *Raymond, Opusc. Sci. Arti Milano*, viii. 72, pl. 2, f. 6—
Ploiaria domestica, *Scop. Flor. et Faun. Insects*, i. 60, pl. 24, f. A;
iii. 52, pl. 25, f. 5, 7. *St. Farg. et Serv. Enc.* x. pl. 136, f. 5—7
—*Cerascopus marginatus*, *Heincken, Zool. Journ.* v. 36—*Emesodema*
domestica, *Spin. Hem.* 87. *Ramb. Faun. And.* ii. 180. *Serv. Hist.*
Hem. 396. *H.-Sch. Wanz. Ins.* ix. 116. *Costa, Cim. Neap. Cent.*
ii. 11. *Dohrn, Linn. Ent.* xiv. 247, pl. 1.

a. Barbary. From Mr. Vigors' collection.

b. ———? Presented by W. W. Saunders, Esq.

2. CERASCOPUS CAROLINUS.

Emesodema carolina, *Germ. H.-Sch. Wanz. Ins.* ix. 115, pl. 303, f. 936.
Carolina.

3. CERASCOPUS FAIRMAIREI.

Emesodema Fairmairei, *Dohrn, Linn. Ent.* xiv. 248.
West Indies.

Genus 6. LUTEVA.

Luteva, Dohrn, Linn. Ent. xiv. 242.

1. LUTEVA GUNDLACHI.

Gundlachi, Dohrn, Linn. Ent. xiv. 244, pl. 1, f. 19.

Cuba.

2. LUTEVA MACROPHthalmus.

macrophthalmus, Dohrn, Linn. Ent. xiv. 244, pl. 1, f. 23, 24.

Columbia. Brazil.

3. LUTEVA CONCOLOR.

concolor, Dohrn, Linn. Ent. xiv. 243, pl. 1, f. 25, 28.

Celebes. Philippine Isles?

Genus 7. TINNA.

Tinna, Dohrn, Linn. Ent. xiv. 245. Stal. Hem. Afr. iii. 164.

1. TINNA GRACILIS.

Emesa gracilis, Stal, Ofv. K. V. Ak. Forh. x. 277; xii. 45—Tinna gracilis, Dohrn, Linn. Ent. xiv. 246, pl. 1, f. 22, 26. Stal, Hem. Afr. iii. 165. Natal.

Genus 8. ORTHUNGA.

Orthunga, Dohrn, Linn. Ent. xiv. 250; xv. 44. Stal, Hem. Afr. iii. 163.

1. ORTHUNGA WAHLBERGI.

Emesa Wahlbergi, Stal, Ofv. K. V. Ak. Forh. xii. 45—Orthunga Wahlbergi, Dohrn, Linn. Ent. xiv. 250, pl. 1, f. 21, 29; xv. 45. Stal, Hem. Afr. iii. 164.

Natal.

Genus 9. LEISTARCHES.

Leistarches, Dohrn, Linn. Ent. xiv. 240.

1. LEISTARCHES SERBIPES.

serripes, Dohrn, Linn. Ent. xiv. 241, pl. 1, f. 27.

Australia.

Genus 10. GARDENA.

Gardena, Dohrn, Linn. Ent. xv.

1. GARDENA SEMPERI.

Semperi, Dohrn, Linn. Ent. xv. 64. Stal, Ofv. K. V. Ak. Forh. xxvii. 704.

Philippine Isles.

2. *GARRICA BREVICOLLIS*.

brevicollis, *Stal*, *Oft. K. V. Ak. Forh.* xxvii. 702.
Philippine Isles.

Genus 11. *WESTERMANNIA*.

Westermannia, *Dohrn*, *Linn. Ent.* xiv. 251.

1. *WESTERMANNIA DIFFICILIS*.

difficilis, *Dohrn*, *Linn. Ent.* xiv. 251.
Columbia.

2. *WESTERMANNIA TENERRIMA*.

tenerrima, *Dohrn*, *Linn. Ent.* xiv. 251.
Porto Rico.

3. *WESTERMANNIA ANNULATA*.

annulata, *Dohrn*, *Linn. Ent.* xiv. 251.
Mexico.

Genus 12. *STENOLEMUS*.

Stenolemus, *Sgt. A. S. E. F. 2me Sér.* vi. 251. *Dohrn*, *Linn. Ent.* xiv. 250.

1. *STENOLEMUS SPINIVENTRIS*.

spiniventris, *Sgt. A. S. E. F. 3me Sér.* vi. 253, pl. 6, f. 1—3.

2. *STENOLEMUS FASCICULATUS*.

fasciculatus, *Dohrn*, *Linn. Ent.* xiv. 250.
Celebes.

3. *STENOLEMUS PLUMOSUS*.

plumosus, *Stal*, *Oft. K. V. Ak. Forh.* xxvii. 702.
Philippine Isles.

4. *STENOLEMUS CRASSIROSTRIS*.

crassirostris, *Stal*, *Oft. K. V. Ak. Forh.* xxvii. 702.
Philippine Isles.

Genus 13. *PLOIARIA*.

Ploiaria, *Pan. et Mon. Insect.* iii. 51. *Latr. Brull. Blanch. Dougl. and Mon. Mon. Aeth. Ploiaria*, *Serv. Hist. Hem.* 396. *Fieb. Eur. Hem.* 104.

1. *PLOIARIA VAGABUNDA*.

vagabunda, *Stal*, *Oft. K. V. Ak. Forh.* xxvii. 702. *Enc.* pl. 373, f. 41—*Cimex culiciformis*, *Stal*, *Oft. K. V. Ak. Forh.* xxvii. 702. *Enc.* pl. 373, f. 41. *Cimex vagabundus*, *Linn. Syst. Nat.* i. 2733; *Ploiaria alata*, *Serv. Hist. Hem.* 396—*Ploiaria alata*.

Scop. Flor. et Faun. Insecta, iii. 51, pl. 25, f. 8—*Gerris vagabundus*, *Fabr. Syst. Rhyn.* 262. *Wolff, Icon. Cim.* 203, pl. 20, f. 197. *Burm. Handb. Ent.* ii. 224—*Ploiaria vagabunda*, *Latr. Nouv. Dict. Hist. Nat.* xviii. 133 *Brull. Hist. Nat. Ins.* ix. 312. *Blanch. Hist. Nat. Ins.* iii. 100. *Hem.* pl. 2, f. 1—*Plocaria vagabunda*, *Serv. Hist. Hem.* 396. *Fieb. Eur. Hem.* 150—*Ploiaria vagabunda*, *Dougl. and Scott, Hem.* 533.

a—i. England. From Mr. Stephens' collection.

2. PLOIARIA ERRATICA.

Gerris erraticus, *Fall. Hem. Suec.* 164. *H.-Sch. Wanz. Ins.* ix. 118. *Burm. Handb. Ent.* ii. 224—*Ploiaria erratica*, *Fieb. Eur. Hem.* 149—*Ploiaria erratica*, *Dougl. and Scott, Hem.* 536.

a—e. England. From Mr. Stephens' collection.

f. England. Presented by J. C. Dale, Esq.

3. PLOIARIA PALLIDA.

pallida, *Mtrz. Ann. Sci. Phys. Soc. Agric. Lyon*, vii. Woodlark.

Genus 14. BACTRODES.

Bactrodes, *Stal, Rio Jan. Hem.* 80.

1. BACTRODES BIANNULATUS.

biannulatus, *Stal, Rio Jan. Hem.* 80.

Rio Janeiro.

Genus 15. MALACOPUS.

Malacopus, *Stal, Rio Jan. Hem.* 80.

1. MALACOPUS CELLULARIS.

cellularis, *Stal, Rio Jan. Hem.* 81.

Rio Janeiro.

STAGMIGRADI.

Fam. 1. HYDROMETRIDÆ.

Hydrometridæ, *Leach, Serv. Hist. Hem.* 308—*Limnobatidæ*, *Fieb. Eur. Hem.* 32—*Limnobatina* and *Limnobatidæ*, *Dougl. and Scott, Hem.* 42—*Hydrometrida*, *Stal, Hem. Afr.* iii. 166. *Mayr, Novara Hem.* 169.

Genus 1. HYDROMETRA.

Hydrometra, *Fabr. Latr. St. Farg. et Serv. Schum. Brull. Blanch. Serv. Hist. Hem.* 398—*Limnobates*, *Burm. Handb. Ent.* ii. 210. *H.-Sch. Wanz. Ins.* ix. 118. *Fieb. Eur. Hem.* 103. *Dougl. and Scott, Hem.* 575.

Europe.

1. HYDROMETRA STAGNORUM.

——, *Deg. Ins.* iii. 322, pl. 15, f. 24, 25. *Geoff. Ins.* i. 463—*Cimex stagnorum*, *Linn. Syst. Nat.* i. 2, 732; *Faun. Suec.* 971. *Tign. Hist. Nat. Ins.* iv. 284—*Gerris stagnorum*, *Fabr. Ent. Syst.* iv. 188. *Fall. Mon. Cim.* 111—*Hydrometra stagnorum*, *Fabr. Syst. Rhyn.* 258. *Latr. Gen.* iii. 131. *St. Farg. et Serv. Enc.* x. 265, pl. 374, f. 21. *Schum. Plot.* 14, pl. 1, f. 1—6. *Brull. Hist. Nat. Ins.* ix. 304. *Blanch. Hist. Nat. Ins.* iii. 98. *Serv. Hist. Hem.* 400. *Curt. Brit. Ent.* i. 32. *Schum. Beitr.* ii. 14, pl. 1, f. 1—6—*Limnobates stagnorum*, *Burm. Handb. Ent.* ii. 211. *Ramb. Faun. And.* ii. 186. *H.-Sch. Wanz. Ins.* ix. 119, pl. 304, f. 938, 939. *Fieb. Eur. Hem.* 103. *Dougl. and Scott, Hem.* 576—*Emesa stagnorum*, *Fall. Hem. Suec.* 162.

a—*l.* England.

m, n. France.

North America.

2. HYDROMETRA FRANCISCANA.

Gerris Franciscana, *Stal, Eug. Resa*, 265.

California.

3. HYDROMETRA ORBA.

Gerris orba, *Stal, Eug. Resa*, 264.

California.

West Indies.

4. HYDROMETRA CARAIBA.

Caraiba, *Guér. Sagra, Hist. Cuba, Ins.* 413.

Cuba.

Africa.

5. HYDROMETRA AMBULATOR.

ambulator, *Stal, Ofv. K. V. Ak. Forh.* xii. 45; *Hem. Afr.* iii. 166.

Natal.

Asia.

6. HYDROMETRA PARVULA.

Gerris parvula, *Stal, Eug. Resa*, 265.

China.

7. HYDROMETRA JAPONICA.

Japonica, *Motsch. Bull. Soc. Nat. Mosc.* xxxix. 1, 188.

Japan.

8. HYDROMETRA INSULARIS.

insularis, *Motsch. Bull. Soc. Nat. Mosc.* xxxix. 1, 188.

Japan.

Eastern Isles.

9. HYDROMETRA VITTATA.

vittata, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 705.

Philippine Isles.

OCULATI.

Oculati, *Latr.*—*Riparia*, *Burm.*

Fam. 1. LEPTOPODIDÆ.

Leptopodidæ, *Serv. Hist. Hem.* 401. *Fieb. Eur. Hem.* 40.

Genus 1. LEPTOPUS.

Leptopus, *Latr. Fam. Nat.* 423. *L.-Duf. A. S. E. F.* ii. 109. *H.-Sch. Wanz. Ins.* ix. 132. *Burm. Handb. Ent.* ii. 216. *Brull. Blanch. Serv. Hist. Hem.* 403. *Fieb. Eur. Hem.* 148.

1. LEPTOPUS BOOPIS.

Cimex boopis, *Fourcr. Ent. Par.* 107. *Vill. Ent.* iv. 392—*Acanthia spinosa*, *Roisi, Faun. Ent.* 1280. *Leptopus boopis*, *L.-Duf. Ann. Sci.* 1858, 349, pl. 22, f. 3. *Fieb. Eur. Hem.* 148—*Leptopus litoralis*, *Latr. Gen.* iv. 383; *Nouv. Dict. Hist. Nat.* 2e edit. *L. Duf. A. S. E. F.* ii. 109, pl. 6, f. 2; iii. 354. *Burm. Handb. Ent.* ii. 217. *Blanch. Hist. Nat. Ins.* iii. 95. *Serv. Hist. Hem.* 402—*Leptopus lapidicola*, *De Lap. Ess. Hem.* 13—*Leptopus Preysleri*, *Fieb. H.-Sch. Wanz. Ins.* ix. 133, pl. 306, f. 942.

a. Geneva. Presented by M. Goureau.

b. France. Presented by M. Goureau.

c. France.

2. LEPTOPUS ECHINOPS.

Leptopus echinops, *L.-Duf. A. S. E. F.* 1833, 113; *Ann. Sci. Nat.* 1858, 359, pl. 22, f. 3. *Costa, Cim. Cent.* ii. 2. *Lucas, Hem. Alg.* pl. 1, f. 4. *Fieb. Eur. Hem.* 149.

South Europe.

3. LEPTOPUS SARDOUS.

Sardous, *Costa, Ann. Mus. Zool. Nap.* ii. 106.

Sardinia.

4. LEPTOPUS STROBELII.

Strobelii, *Garbiglietti, Bull. Soc. Ent. Ital.* i. 198.

Sardinia.

5. LEPTOPUS DUFOURII.

Dufourii, *Synt. A. S. E. F. 4me Sér.* v. 121.

South France.

Div. 2.

Erianotus, *Fieb. Eur. Hem.* 149

6. LEPTOPUS LANOSUS.

Leptopus lanosus, *L.-Duf. A. S. E. F.* iii. 354, pl. 5, f. 14. *Brull. Hist. Nat. Ins.* ix. 284. *Blanch. Hist. Nat. Ins.* iii. 95. *Serv. Hist. Hem.* 403—*Erianotus lanosus*, *Fieb. Eur. Hem.* 149.

South Europe.

Fam. 2. SALDIDÆ.

Saldidæ, *Serv. Hist. Hem.* xlix. *Fieb. Eur. Hem.* 143, 144, 148. *Dougl. and Scott, Hem.* 38.

Genus 1. SALDA.

Salda, *Fabr. Syst. Rhyn.* 113. *Am. et Serv. H. Gen.* 333. *Burm. Handb. Ent.* ii. 215. *Blanch. Hist. Nat. Ins. Serv. Hist. Hem.* 404. *Fieb. Eur. Hem.* 144. *Dougl. and Scott, Hem.* 316—*Acanthia*, *Latr.* —*Sciodopterus*, *Serv. Hist. Hem.* 404.

Europe.

1. SALDA PILOSA.

pilosa, *Fall. Hem. Suec.* 74. *Burm. Handb. Ent.* ii. 216. *Fieb. Wien. Ent. Mon.* 1859; *Eur. Hem.* 144. *Dougl. and Scott, Hem.* 518—*Acanthia pilosa*, *Germ. Faun. Eur.* 10, 14.

North Europe.

2. SALDA LATERALIS.

lateralis, *Fall. Hem. Suec.* 74. *Fieb. Wien. Ent. Mon.*; *Eur. Hem.* 144—*Acanthia pulchella*, *Curt. Brit. Ent.* xii. pl. 548—*Acanthia bicolor*, *Curt. Brit. Ent.* xii. 548—*Salda pulchella*, *H.-Sch. Wanz. Ins.* ix. 131, pl. 308, f. 947. *Fieb. Wien. Ent. Mon.* iii. 234. *Eur. Hem.* 144. *Dougl. and Scott, Hem.* 520—*eburnea*, *Fieb. Eur. Hem.* 144.

a. England.

b. France.

3. SALDA XANTHOCHILA.

xanthochila, *Wien. Ent. Mon.* iii.; *Eur. Hem.* 145 — *pallipes*, *Sahlb. Geoc.* 152—*striata*? *Fabr. Syst. Rhyn.* 114.

Germany. Finland.

4. SALDA ORTHOCHILA.

littoralis, *Fabr. Syst. Rhyn.* 115. *Burm. Handb. Ent.* ii. 216—*riparia*, *Fall. Hem. Suec.* 72—*orthochila*, *Fieb. Wien. Ent. Mon.* iii. 234; *Eur. Hem.* 145. *Dougl. and Scott, Hem.* 521—*luteipes*, *Flor. Rhyn. Liv.* i. 717—*Lygæus saltatorius*, *Punz. Faun. Germ.* 92.

Europe.

5. SALDA SALTATORIA.

Cimex saltatorius, Linn. *Faun. Suec.* 954—*Salda saltatoria*, Fabr. *Syst. Rhyn.* 239. *Enc.* pl. 374, f. 8. Hahn, *Wanz. Ins.* ii. 83, pl. 55, f. 167. Blanch. *Hist. Nat. Ins.* i. 94. *Serv. Hist. Hem.* 405. Fieb. *Wien. Ent. Mon.* iii. 235; *Eur. Hem.* 145. Dougl. and Scott, *Hem.* 522—*Lygaeus saltatorius*, Wulff, *Icon. Cim.* 77, pl. 8, f. 74—*Acanthia saltatoria*, Brull. *Hist. Nat. Ins.* ix. 291.

According to Prof. Stål the *S. saltatoria* of Linn. is the *S. pallipes* of Fabr.

a, b. England. Presented by E. Doubleday, Esq.

c—h. England.

6. SALDA MARGINELLA.

marginella, H.-Sch. *Cat.* 185. Fieb. *Wien. Ent. Mon.* iii.; *Eur. Hem.* 145—*marginalis*, H.-Sch. *Wanz. Ins.* ix. 130, pl. 306, f. 943.

Europe.

7. SALDA ARENICOLA.

arenicola, Scholz, *Arb. Ver.* 1846, 6. Fieb. *Wien. Ent. Mon.* iii.; *Eur. Hem.* 146.

Europe.

8. SALDA STELLATA.

Acanthia stellata, Curt. *Brit. Ent.* xii. 548—*Salda C. album*, Fieb. *Wien. Ent. Mon.* iii. 236; *Eur. Hem.* 146—*arenicola*, Flor, *Rhyn. Liv.* i. 718—*stellata*, Dougl. and Scott, *Hem.* 525.

Europe.

9. SALDA MELANOSCELA.

melanoscela, Fieb. *Wien. Ent. Mon.* iii.; *Eur. Hem.* 146.

Corinthia.

10. SALDA PALLIPES.

Salda pallipes, Fabr. *Syst. Rhyn.* 115. Fall. *Hem. Suec.* 73. Zett. *Ins. Lapp.* 267. H.-Sch. *Wanz. Ins.* vi. 43, pl. 194, f. 600. Sahlb. *Geoc. Fen.* 152. Kol. *Mel. Ent.* vi. 33. Fieb. *Wien. Ent. Mon.* iii. 237; *Eur. Hem.* 146. Dougl. and Scott, *Hem.* 527—*Salda saltatoria*, Guér. *Icon.* pl. 93, f. 2—*Acanthia dimidiata*, Curt. *Brit. Ent.* xii. 548—*Salda riparia*, Zett. *Ins. Lapp.* 267. Sahlb. *Geoc. Fen.* 151. Kol. *Mel. Ent.* vi. 34—*Salda litoralis*, *Serv. Hist. Hem.* 405.

a. France.

11. SALDA BRACHYNOTA.

brachynota, Fieb. *Wien. Ent. Mon.* iii.; *Eur. Hem.* 146.

Germany.

12. SALDA FLAVIPES.

flavipes, *Fabr. Syst. Rhyn.* 114. *Fieb. Wien. Ent. Mon.* iii.; *Eur. Hem.* 147—*Sciodopterus flavipes*, *Serv. Hist. Hem.* 404.

Europe.

13. SALDA LITTORALIS.

Cimex littoralis, *Linn. Syst. Nat.* i. 2717; *Faun. Suec.* 915. *Deg. Ins.* iii. 277, pl. 14, f. 17, 18—*Acanthia Zosteræ*, *Fabr. Gen. Ins. Ment.* 299; *Sp. Inv.* ii. 335; *Ent. Syst.* iv. 68. *Latr. N. Dict. Hist. Nat.* i. 73; *Gen.* iii. 142—*Acanthia flavipes*, *Fabr. Ent. Syst.* iv. 68—*Salda Zosteræ*, *Fabr. Syst. Rhyn.* 113. *Burm. Handb. Ent.* ii. 216. *Sahlb. Geoc. Fen.* 150. *Blanch. Hist. Nat. Ins.* iii. 94. *Serv. Hist. Hem.* 405—*Salda flavipes*, *Fabr. Syst. Rhyn.* 114. *Wien. Ent. Mon.* iii. 238; *Eur. Hem.* 147—*Salda littoralis*, *Fall. Hem. Suec.* 71. Var. β ., *Serv. Hist. Hem.* 405. *Zett. Ins. Lapp.* 267. *H.-Sch. Wanz. Ins.* vi. 41, pl. 194, f. 549. *Fieb. Wien. Ent. Mon.* vii. 63; *Eur. Hem.* 147. *Kol. Mel. Ent.* vi. 32. *Flor, Rhyn. Liv.* 710. *Dougl. and Scott, Hem.* 528. *Stal, Ofv. K. V. Ak. Forh.* xxv. 387—*Sciodopterus flavipes*, *Serv. Hist. Hem.* 204.

Europe. Chili.

a. France.

14. SALDA RIPARIA.

riparia, *Fall. Hem. Suec.* 72. *Sahlb. Geoc. Fen.* 151, f. 166. *Fieb. Wien. Ent. Mon.* vii. 62. *Dougl. and Scott, Hem.* 530—*Acanthia Scotica*, *Curt. Brit. Ent.* xii. 548—*Salda hirsutula*, *Flor, Rhyn. Liv.* i. 708—*Salda littoralis*, *Fieb. Wien. Ent. Mon.* iii. 238; *Eur. Hem.* 147.

Europe.

15. SALDA LUTEIPES.

luteipes, *H.-Sch. Wanz. Ins.* vi. 40, pl. 194, f. 597. *Fieb. Wien. Ent. Mon.* iii.; *Eur. Hem.* 147.

Austria.

16. SALDA GEMINATA.

geminata, *Costa, Curt. Fieb. Wien. Ent. Mon.* iii.; *Eur. Hem.* 147—*marginalis*, *Ahr. Faun. Eur.* 10, 16.

Europe.

17. SALDA ELEGANTULA.

elegantula, *Fall. Hem. Suec.* 75. *Hahn, Wanz. Ins.* ii. 84, pl. 55, f. 168. *Fieb. Wien. Ent. Mon.* iii. 240; *Eur. Hem.* 148. *Flor, Rhyn. Liv.* i. 720. *Dougl. and Scott, Hem.* 533—*Acanthia Cocksii*, *Curt. Brit. Ent.* 348.

Europe.

18. *SALDA CINCTA*.

cincta, *H.-Sch. Wanz. Ins.* vi. 40, pl. 194, f. 598. *Sahlb. Geoc. Fen.* 153.
Fieb. Wien. Ent. Mon. iii. 240; *Eur. Hem.* 148. *Dougl. and Scott,*
Hem. 531.

Europe.

19. *SALDA MARGINALIS*.

marginalis, *Fall. Mon. Cim.* 30; *Hem. Suec.* 75. *Sahlb. Geoc. Fen.* 154.
H.-Sch. Wanz. Ins. ix. 130, pl. 306, f. 943. *Flor, Rhyn. Liv.* i. 712.
Dougl. and Scott, Hem. 524—*opacula*, *Zett. Ins. Lapp.* 268. *Flor,*
Rhyn. Liv. i. 719.

s—d. England.

20. *SALDA FLORI*.

Flori, Dohrn, Stett. Ent. Zeit. xxiv. 395.

Stettin.

21. *SALDA GAMMA*.

Gamma, Fieb. Wien. Ent. Mon. viii. 212.

South France.

22. *SALDA QUADRILINEATA*.

quadrilineata, Jakowlew, Arbeiten, Univ. Kasan, 1864, 115.
Kasan.

23. *SALDA BOREALIS*.

borealis, Stal, K. Sv. V. Ak. Handl. vii. 391.

Lapland.

24. *SALDA CONSPICUA*.

conspicua, Dougl. and Scott, Ent. M. Mag. iv. 93, pl. 1, f. 5.
Scotland.

25. *SALDA VENUSTULA*.

venustula, Scott, Ent. M. Mag. viii. 243.

Corsica.

26. *SALDA COSTALIS*.

costalis, Sahlb. Geoc. Fen. 152.

Finland. A doubtful species according to Fieber.

27. *SALDA FUCICOLA*.

fucicola, Sahlb. Not. Fenn. 301—*C-album, Fieb. ?*

White Sea, Carelia.

North America.

28. *SALDA LUCTUOSA*.*luctuosa*, *Stal*, *Eng. Rma*, 263.

California.

Mexico.

29. *SALDA ORNATA*.*ornata*, *Stal*, *Stett. Ent. Zeit.* xxiii. 458.

Mexico.

West Indies.

30. *SALDA SIGNORETII*.*Signoretii*, *Guér. Sagra*, *Hist. Cuba*, *Ins.* 400, pl. 13, f. 10.

Cuba.

South America.

31. *SALDA VENTRALIS*.*ventralis*, *Stal*, *Rio Jan. Hem.* 81.

Rio Janeiro.

32. *SALDA CHILENSIS*.*Chilensis*, *Blanch. Faun. Chil.* 225, pl. 2, f. 15. *Sgnt. A. S. E. F.* 4me
Sér. iii. 680.

Chili.

BREVICORNIA.

Fam. 1. PELOGONIDÆ.

Pelagonidæ, *Serv. Hist. Hem.* 407. *Fieb. Eur. Hem.* 23—*Pelagonida*
Stal, *Hem. Afr.* iii. 170.

Genus 1. PELOGONUS.

Ochterus, *Latr. Gen.* iii. 143—*Pelogonus*, *Latr. Gen.* iv. 384. *Serv. Hem.*
Gen. 334; *Eur. Hem.* 407. *Burm. Handb. Ent.* ii. 202. *Fieb. Gen.*
Hydr. 3. *Eur. Hem.* 32.1. *PELOGONUS MARGINATUS*.*Acanthia marginata*, *Latr. Hist. Nat. Ins.* xii. 242—*Ochterus marginatus*,
Latr. Gen. iii. 143—*Pelogonus marginatus*, *Latr. Gen.* iv. 384. *St.*
Prov. v. Serv. Fuc. x. 32. *L.-Duf. Rech. Hem.* 65, pl. 5, f. 58.
Neom. Handb. Ent. ii. 200. *Brull. Hist. Nat. Ins.* ix. 277. *Blanch.*
Hem. Afr. iii. 170. *Serv. Hist. Hem.* 407. *Fieb. Eur. Hem.* 103.
Stal. Hem. Afr. iii. 170—*Pelogonus Cailler*, *Stal*, *Ojr. K. V. Ak.*
1845 45*Asia* *Cherson* *Soud Africa* *Philippine Isles*
in West Europe

PLOTERES.

Ploteres, Latr. *Serv. Hist. Hem.* 409—*Hydrometrinae*, De Lap.—*Amphicorisæ*, L.-Duf.—*Hydrodromici*, Burm.

- Legs not formed for gliding on water. Ripicola. - 1. **HEBRIDÆ.**
- Four hinder legs formed for gliding on water.
- Four posterior legs filiform, approximate, very far from the fore legs. - - - - - 2. **GERRIDÆ.**
- Legs nearly equally far apart; femora somewhat stout. - - - - - 3. **VELIDÆ.**

Fam. 1. **HEBRIDÆ.**

Hebridæ, *Serv. Hist. Hem.* 293. *Fieb. Eur. Hem.*—*Hebroidea*, *Flor.*—*Hebrina* and *Hebridæ*, *Dougl. and Scott, Hem.* 25.

Genus 1. **HEBRUS.**

Hebrus, *Curt. Ent. Mag.* i. 198. *Burm. Handb. Ent.* ii. 214. *Serv. Hist. Hem.* 294. *Fieb. Eur. Hem.* 104. *Dougl. and Scott, Hem.* 263—*Næogæus*, *De Lap. Ess. Hem.* 34.

1. **HEBRUS PUSILLUS.**

Næogæus pusillus, *Fall. Mon. Cim.* 71; *Hem. Suec.* 65. *Germ. Faun. Eur.* 15, 11—*Hebrus pusillus*, *Curt. Ent. Mag.* i. 199. *Westw. A. S. E. F.* iii. 5, pl. 6, f. 6. *Burm. Handb. Ent.* ii. 214. *Serv. Hist. Hem.* 294. *Flor, Rhyn. Liv.* i. 374. *Fieb. Eur. Hem.* 104. *Dougl. and Scott, Hem.* 266—*Næogæus erythrocephalus*, *De Lap. Ess. Hem.* 34.

—f. England.

2. **HEBRUS LETZNERI.**

letzneri, *Scholtz, Arb. Ver.* 1846, 5. *Fieb. Eur. Hem.* 104.
Silesia.

3. **HEBRUS FUSCUS.**

fuscus, *Costa, Ann. Mus. Zool. Nap.* ii. 125.
Naples.

4. **HEBRUS AMERICANUS.**

americanus, *Uhler.*
—f. Indiana. Presented by F. Walker, Esq.

5. **HEBRUS PARVULUS.**

parvulus, *Stal, Rio Jan. Hem.* 60.
Rio Janeiro.

Fam. 2. VELIDÆ.

Velidæ, *Serv. Hist. Hem.* 418—Hydroessæ and Hebridæ, *Fieb. Eur. Hem.* 104—Veliida, *Stal, Hem. Afr.* iii. 167—Veliidæ, *Dougl. and Scott, Hem.* 42—Hydroessida, *Mayr, Novara Hem.* 180.

A. Hind tarsi 3-jointed.

a. Fore tarsi 3 jointed.

* Head distinctly advanced. First joint of the hind tarsi very short. - - - - -

VELIA.

** Head not or very slightly advanced. First joint of the hind tarsi somewhat elongated. - - -

ANGILIA.

b. Fore tarsi one-jointed. - - - -

BOECULA.

B. Tarsi two-jointed. - - - MICROVELIA. HYDROESSA.

Genus 1. MICROVELIA.

Microvelia, *Westw. A. S. E. F.* iii. 647. *Serv. Hist. Hem.* 421. *Dougl. and Scott, Hem.* 574—Hydroessa, *Burm. Handb. Ent.* ii. 213. *Fieb. Eur. Hem.* 104.

1. MICROVELIA PYGMÆA.

Velia pygmæa, *L.-Duf. A. S. E. F.* ii. 115, pl. 5, f. 6—Microvelia pygmæa, *Westw. A. S. E. F.* iii. 647, pl. 6, f. 5. *Serv. Hist. Hem.* 422—Hydroessa reticulata, *Burm. Handb. Ent.* ii. 213—Hydroessa pygmæa, *Curt. Brit. Ent.* xv. pl. 681. *Flor, Rhyn. Liv.* i. 749. *Fieb. Eur. Hem.* 104. *Dougl. and Scott, Hem.* 514.

a, b. England.

2. MICROVELIA SCHNEIDERI.

Hydroessa Schneideri, *Scholz, Arb. Ver.* 1846, 5. *Fieb. Eur. Hem.* 105. Silesia. Switzerland.

3. MICROVELIA PULCHELLA.

pulchella, *Westw. A. S. E. F.* iii. 647, pl. 6, f. 5. *Serv. Hist. Hem.* 422—Hydroessa pulchella, *H.-Sch. Wanz. Ins.* vi. 37, pl. 193, f. 595—Hydroessa reticulata, *Burm. Handb. Ent.* ii. 213.

Isle St. Vincent.

4. MICROVELIA CAPITATA.

capitata, *Guér. Sagra, Hist. Cuba, Ins.* 417. Cuba.

Genus 2. MESOVELIA.

Mesovelias, *Muls. et Rey. Ann. Soc. Linn.* 1852, 138. *Fieb. Eur. Hem.* 195.

1. MESOVELIA FURCATA.

furcata, *Muls. et Rey. Ann. Soc. Linn.* 1852, 138. *Fieb. Eur. Hem.* 105. *Dougl. and Scott, Ent. M. Mag.* iv. 4, pl. 1, f. 1.

Europe.

Genus 3. VELIA.

Velia, *Latr. Gen.* iii. 133. *Burm. Handb. Ent.* ii. 211. *Schum. Beitr.* ii. *Serv. Hist. Hem.* 419.

1. VELIA RIVULORUM.

Gerris apterus, *Fabr. Ent. Syst.* iv. 193—*Hydrometra rivulorum*, *Fabr. Syst. Rhyn.* 259. *Wolff, Icon. Cim.* 201, pl. 20, f. 195—*Velia rivulorum*, *Latr. Gen.* iii. 133. *Guér. Icon. R. An. Ins.* pl. 57, f. 3. *Burm. Handb. Ent.* ii. 212. *Blanch. Hist. Nat. Ins.* iii. 96. *Ramb. Faun. And.* ii. 84. *Serv. Hist. Hem.* 419. *Fieb. Eur. Hem.* 105. *Stål, Hem. Fabr.* i. 131.

a—l. England.

m—p. Shetland Isles.

q, r. France. Presented by W. W. Saunders, Esq.

s. Syria. From Mr. Stevens' collection.

2. VELIA CURRENS.

Gerris currens, *Fabr. Ent. Syst.* iv. 193—*Hydrometra currens*, *Fabr. Syst. Rhyn.* 259. *Fall. Hem. Suec.* i. 160—*Hydrometra aptera*, *Fabr. Syst. Rhyn.* 259—*Hydrometra rivulorum*, *Wolff, Icon. Cim.* 201, pl. 20, f. 195—*Velia currens*, *Latr. Gen.* iii. 133. *L.-Duf. Rech. Hem.* 73, pl. 5, f. 65. *Curt. Brit. Ent.* i. 2. *Schum. Beitr.* ii. *Burm. Handb. Ent.* ii. 212. *Brull. Hist. Nat. Ins.* ix. 294. *Blanch. Hist. Nat. Ins.* iii. 96. *Serv. Hist. Hem.* 420. *H.-Sch. Wanz. Ins.* ix. 76. *Fieb. Eur. Hem.* 105. *Flor, Rhyn. Liv.* i. 746. *Dougl. and Scott, Hem.* 571—*Velia rivulorum*, *Curt. Brit. Ent.* i. pl. 2—*Velia Fieberi*, *Guér.*—*Rhagovelia currens*, *Mayr, Verh. Zool. Bot. Ges. Wien.* xv. 445.

a, b. France. Presented by W. W. Saunders, Esq.

c, d. Syria. From Mr. Lowne's collection.

North America.

3. VELIA DISTINCTA.

distincta, *Uhler.*

e—f. Indiana. Presented by F. Walker, Esq.

Mexico.

4. VELIA ARMATA.

armata, *Burm. Handb. Ent.* ii. 212—*Rhagovelia armata*, *Mayr.*

Mexico.

5. VELIA COLLARIS.

Velia collaris, *Burm. Handb. Ent.* ii. 212—*Rhagovelia collaris*, *Mayr, Verh. Zool. Bot. Wien.* xv. 446; *Novar. Hem.* 180—*Velia Fieberi*, *Guér. Sagra Hist. Cuba*, 416.

St. Domingo. Rio Janeiro.

South America.

6. VELIA BASALIS.

Velia basalis, *Spin. Hem.* 66—*Velia bicolor*, *Blanch. Orb. Voy. Am. Merid. Ins.* 218, pl. 29, f. 1—*Velia Brasiliensis*, *H.-Sch. Wanz. Ins.* ix. 76, pl. 303, f. 935.

Rio Janeiro.

7. VELIA BRACHIALIS.

brachialis, *Stal, Rio Jan. Hem.* 82.

Rio Janeiro.

Africa.

8. VELIA NIGRICANS.

nigricans, *Burm. Handb. Ent.* ii. 213—*Rhagovelia nigricans*, *Mayr. Abyssinia.*

9. VELIA FUSCA.

Hydroessa fusca, *Germ. Silb. Rev. Ent.* v. 123—*Velia fusca*, *Mayr, Novara Hem.* 180.

Cape.

Div. 2.

Angilia, *Stal, Hem. Afr.* iii. 167.

10. VELIA ALBIDOTINCTA.

Velia albidotincta, *Stal, Ofv. K. V. Ak. Forh.* xii. 46—*Angilia albidotincta*, *Stal, Hem. Afr.* iii. 168.

Natal.

Eastern Isles.

Div.

Rhagovelia, *Mayr, Verh. Zool. Bot. Wien.* xv. 445; *Novara Hem.* 181—*Boecula*, *Stal.*

11. VELIA NIGRICANS.

Velia nigricans, *Burm. Handb. Ent.* ii. 213—*Rhagovelia nigricans*, *Mayr, Reise Nov. Hem.* 181;

Philippine Isles.

FAM. 3. GERRIDÆ.

Gerridæ, *Serv. Hist. Hem.* 418—Hydrobatida, *Stal. Hem. Afr.* iii. 168—Hydrometræ, *Fieb. Eur. Hem.*—Hydrometridæ, *Dougl. and Scott, Hem.* 40.

A. Fore tibiae with a distinct apical tooth.

a. Abdomen very short. - - - 3. HALOBATES.

b. Abdomen almost as long as the thorax. - - - 2. PTILOMERA.

B. Fore tibiae with no distinct apical tooth. - - - 1. GERRIS.

Genus 1. GERRIS.

Gerris, *Latr. Gen.* iii. 133. *Schum. Beitr.* 11. *Serv. Hist. Hem.* 414—*Hydrometra*, *Fabr. Syst. Rhyn.* 256. *Burm. Ramb. Fieb. Eur. Hem.* 106. *Dougl. and Scott, Hem.* 557—*Tenagogonus*, *Stal. Ofv. K. V. Ak. Forh.* x. 263, *Hem. Afr.* iii. 168—*Limnopus*, *Stal. Ofv. K. V. Ak. Forh.* xxvi. 398—*Limnogonus*, *Stal. Ofv. K. V. Ak. Forh.* vii. 182—*Limnotrechus*, *Stal. Ofv. K. V. Ak. Forh.* xxv. 398—*Hygotrechus*, *Stal. Ofv. K. V. Ak. Forh.* xxv. 398.

Europe.

1. GERRIS RUFOSCUTELLATA.

——, *Stoll, Puz.* pl. 15, f. 108—*Gerris rufoscutellata*, *Latr. Gen.* iii. 134. *Schum. Plot.* pl. 3, f. 1, 2; pl. 4, f. 1, 14—19—*Hydrometra lacustris*, *Fall. Hem.* 159—*Hydrometra rufoscutellata*, *H.-Sch. Wanz. Ins.* ix. 69, pl. 300, f. 924. *Fieb. Eur. Hem.* 106—*Limnopus rufoscutellatus*, *Stal.*

Europe.

2. GERRIS PALUDUM.

Gerris paludum, *Fabr. Ent. Syst.* iv. 188. *Schum. Beitr. Plot.* 29, pl. 4, f. 5—13. *Brull. Hist. Nat. Ins.* ix. 302. *Blanch. Hist. Nat. Ins.* iii. 97. *Serv. Hist. Hem.* 417—*Hydrometra paludum*, *Fabr. Syst. Rhyn.* 258. *Zett. Ins. Lapp.* 281. *H.-Sch. Wanz. Ins.* ix. 67, pl. 300, f. 926. *Burm. Handb. Ent.* ii. 210. *Fieb. Eur. Hem.* 106. *Flor. Rhyn. Liv.* i. 732. *Dougl. and Scott, Hem.* 559—*Hygotrechus paludum*, *Stal.*

a—a, England.

c, p. South France.

3. GERRIS NAJUS.

Cimex Najus, *Deg. Ins.* iii. 311, pl. 16, f. 8, 9—*Gerris aptera*, *Wimm. Schuml. Plot.* 34, pl. 4, f. 4, 20—24—*Gerris canalicum*, *L. Duf. Rech. Hem.* 69, pl. 5, f. 59. *H.-Sch. Wanz. Ins.* pl. 300, f. 926, K. L. M. *Serv. Hist. Hem.* 418—*Hydrometra aptera*, *H.-Sch. Wanz. Ins.* ix. 69, pl. 300, f. 926—*Hydrometra Najus*, *Fieb. Eur. Hem.* 107. *Dougl. and Scott, Hem.* 560—*Hygotrechus Najus*, *Stal.*

a, b. France.

4. GERRIS VENTRALIS.

Hydrometra ventralis, *Fieb. Eur. Hem.* 107 — *Hygrotrechus ventralis*, *Stal.*

Greece.

5. GERRIS COSTÆ.

Hydrometra Costæ, *H.-Sch. Wanz. Ins.* ix. 71, pl. 300, f. 927. *Fieb. Eur. Hem.* 107 — *Hydrometra rufoscutellata*, *Costa, Cent.* ii. pl. 2, f. 8 — *Limnotrechus Costæ*, *Stal.*

Middle and South Europe.

6. GERRIS THORACICA.

Gerris thoracica, *Schum. Beitr.* ii. 46. *H.-Sch. Nom. Ent.* 63 — *Gerris rufoscutellata*, *Curt. Brit. Ent.* xii. 553 — *Hydrometra thoracica*, *H.-Sch. Wanz. Ins.* ix. 67, pl. 301, f. 928. *Flor. Rhyn. Liv.* i. 739. *Fieb. Eur. Hem.* 108. *Dougl. and Scott, Hem.* 562 — *Limnotrechus thoracicus*, *Stal.*

a, b. France.

7. GERRIS LATERALIS.

Gerris lateralis, *Schum. Plot.* 39, pl. 3, f. 12; pl. 13—15 — *Hydrometra lateralis*, *Fieb. Eur. Hem.* 108. *H.-Sch. Wanz. Ins.* ix. 74, pl. 2, f. 9 — *Limnotrechus lateralis*, *Stal.*

Germany.

8. GERRIS ASPERA.

Hydrometra aspera, *Fieb. Eur. Hem.* 108 — *Limnotrechus asper*, *Stal.*
Bohemia. Galicia.

9. GERRIS GIBBIFERA.

Gerris gibbifera, *Schum. Beitr.* ii. 41, pl. 3, f. 5—7 — *Hydrometra gibbifera*, *H.-Sch. Wanz. Ins.* ix. 72, pl. 301, f. 929. *Fieb. Eur. Hem.* 108. *Dougl. and Scott, Hem.* 564 — *Limnotrechus gibbifer*, *Stal.*

Europe.

10. GERRIS LACUSTRIS.

———, *Geoffr. Ins.* i. 463. *Stoll, Pun.* 42, pl. 9, f. 63. *Deg. Ins.* iii. 311 — *Cimex lacustris*, *Linn. Faun. Suec.* 970; *Syst. Nat.* 2732. *Tign. Hist. Nat. Ins.* iv. 283 — *Hydrometra lacustris*, *Fabr. Syst. Rhyn.* 256. *H.-Sch. Wanz. Ins.* ix. 73, pl. 301, f. 930. *Burm. Handb. Ent.* ii. 210. *Flor. Rhyn. Liv.* i. 742. *Ramb. Faun. And.* ii. 185. *Fieb. Eur. Hem.* 109. *Dougl. and Scott, Hem.* 566 — *Gerris lacustris*, *Latr. Gen.* iii. 134. *Schum. Beitr.* ii. 43, pl. 3, f. 11. *Blanch. Hist. Nat. Ins.* iii. 98; *Hem.* pl. 1, f. 6. *Serv. Hist. Hem.* 417 — *Gerris variabilis*, *Curt. Brit. Ent.* xii. 553.

a, b. France.

11. GERRIS ODONTOGASTER.

Gerris lacustris, var. *e*, *Latr. Gen.* iii. 133—*Hydrometra odontogaster*, *Zett. H.-Sch. Wanz. Ins.* ix. 73, pl. 301, f. 931. *Fieb. Eur. Hem.* 109—*Limnotrechus odontogaster*, *Stal.*

North and Middle Europe.

12. GERRIS ARGENTATA.

Gerris argentata, *Schum. Beitr.* ii. 49. *H.-Sch. Nom. Ent.* i. 63—*Hydrometra argentata*, *H.-Sch. Wanz. Ins.* ix. 74, pl. 301, f. 932. *Flor. Rhyn. Liv.* i. 740. *Fieb. Eur. Hem.* 109. *Dougl. and Scott, Hem.* 568—*Limnotrechus argentatus*, *Stal.*

Middle Europe.

13. GERRIS SERVILLEI.

Hydrometra Servillei, *Meyer, Grei-Gessner. Mitth. Schweiz. Ent. Ges.* 1864, 228—*Limnotrechus Servillei*, *Stal.*

Switzerland.

14. GERRIS ABBREVIATA.

Hydrometra abbreviata, *Fabr. Syst. Rhyn.* 258. *Stal, Hem. Fabr.* i. 130. Pyrenees.

North America.

15. GERRIS APTERA.

aptera, *Schum.*

a—d. Illinois. Presented by F. Walker, Esq.

e—h. Indiana. Presented by F. Walker, Esq.

16. GERRIS FRANCOISCANA.

franciscana, *Stal, Eug. Resa, Hem.* 265.

California.

17. GERRIS ORBA.

orba, *Stal, Eug. Resa, Hem.* 264.

California.

18. GERRIS ROBUSTA.

Hygrotrechus robustus, *Pack. Amer. Journ. Sci.* 1871.

California.

West Indies.

19. GERRIS MARGINATA.

marginatus, *Guér. Icon. B. An. Ins.* 351, pl. 57, f. 2; *Sagra, Hist. Cuba, Ins.* 415.

Cuba.

South America.

20. GERRIS ERYTHROPS.

Hydrometra erythropus, *H.-Sch. Wenz. Ins.* ix. 68, pl. 800, f. 936.
Brazil.

Div. 2.

Limnogenus, *Stal, Hem. Fabr.* i. 132.

21. GERRIS HYALINA.

Hydrometra hyalina, *Fabr. Syst. Rhyn.* 256—*Limnogenus hyalinus*, *Stal, Hem. Fabr.* i. 133.

South America.

Africa.

22. GERRIS SWAKOPENSIS.

Gerris Swakopensis, *Stal, Ofv. K. V. Ak. Forh.* xv. 318—*Tenagogonus Swakopensis*, *Stal, Hem. Afr.* iii. 169.

South Africa.

23. GERRIS DIVERSA.

Hydrometra diversa, *Mayr, Reise Novara Zool.* ii.; *Hem.* 169, f. 52. *Vah. Zool. Bot. Ges. Wien.* xvi. 365.

Cape.

South Asia.

24. GERRIS FOSSARUM.

Cimex fossarum, *Fabr. Syst. Ent.* 727; *Sp. Ins.* ii. 375; *Mant. Ins.* ii. 308—*Gerris fossarum*, *Fabr. Ent. Syst.* iv. 188. *Wolff, Ic. Cim.* iii. 118, pl. 12, f. 112—*Hydrometra fossarum*, *Fabr. Syst. Rhyn.* 258—*Limnogenus fossarum*, *Stal, Hem. Afr.* i. 133.

Hindustan.

25. GERRIS DISCOLOR.

discolor, *Stal, Eug. Resa*, 265—*Limnogenus discolor*, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 705.

China. Manilla. Tahiti.

Div. 2.

Tenagogonus, *Stal, Ofv. K. V. Ak. Forh.* x. 263.

26. GERRIS FLUVIORUM.

Gerris fluviorum, *Fabr. Ent. Syst. Suppl.* 543—*Hydrometra fluviorum*, *Fabr. Syst. Rhyn.* 257—*Tenagogonus fluviorum*, *Stal, Hem. Afr.* iii. 169—*Limnometra fluviorum*, *Stal, Hem. Fabr.* i. 132.

Bombon. Tranquebar (according to Fabr.)

27. GERRIS ARMATA.

Gerris armata, Spin. Hem. 65—*Limnometra armata*, Mayr, *Novara Hem.* 175.

Ceylon.

28. GERRIS NITIDA.

Hydrometra nitida, Mayr, *Verh. Zool. Bot. Gesell. Wien.* xv. 443; *Novara Hem.* 170, f. 51.

Ceylon.

29. GERRIS PARVULA.

parvula, Stal, *Eug. Resa*, 265.

Wampoa, China.

30. GERRIS PECTORALIS.

Hydrometra pectoralis, Mayr, *Verh. Zool. Bot. Gesell. Wien.* xv. 443; *Novara Hem.* 170, f. 50.

Ceylon.

Div. 3.

Hydrobates, Erichs.—*Cylindrostethus*, Fieb.

31. GERRIS FIEBERI.

Cylindrostethus Fieberi, Mayr, *Verh. Zool. Bot. Gesell. Wien.* xv. 444.

Ceylon.

Eastern Isles.

Div. 4.

Limnometra, Mayr, *Verh. Zool. Bot. Ges.* xv. 443; *Novara Hem.* 174.

32. GERRIS FEMORATA.

Limnometra femorata, Mayr, *Verh. Zool. Bot. Gesell. Wien.* xv. 443.

Philippine Isles.

33. GERRIS CILIATA.

Limnometra ciliata, Mayr, *Verh. Zool. Bot. Ges.* Wien. xv. 444.

Java.

34. GERRIS INERMIS.

Limnometra inermis, Mayr, *Verh. Zool. Bot. Ges.* Wien. xv. 444.

Philippine Isles.

35. GERRIS NIGRIPENNIS.

Limnometra nigripennis, Mayr, *Verh. Zool. Bot. Ges.* Wien. xv. 443.

Philippine Isles.

36. GERRIS PULCHRA.

Limnometra pulchra, Mayr, *Verh. Zool. Bot. Ges. Wien.* xv. 443.

a. Java. Presented by J. C. Bowring, Esq.

b, c. Sarawak. Presented by W. W. Saunders, Esq.

d. Celebes. Presented by W. W. Saunders, Esq.

37. GERRIS MINUTA.

Limnometra minuta, Mayr, *Verh. Zool. Bot. Gesell. Wien.* xv. 444;
Novara Hem. 176.

Sumbelong, Nicobar Isles.

38. GERRIS VITTIPES.

Hydrobates vittipes, Stal, *Ofv. K. V. Ak. Forh.* xxvii. 705.

Philippine Isles.

Australia.

39. GERRIS CURSITANS.

Cimex cursitans, Fabr. *Syst. Ent.* 729; *Sp. Ins.* ii. 377; *Mant. Ins.* ii. 308
—*Gerris cursitans*, Fabr. *Ent. Syst.* 192—*Hydrometra cursitans*,
Fabr. *Syst. Rhyn.* 259—*Limnometra cursitans*, Stal, *Hem. Fabr.* i.
131.

Australia.

Genus 2. PTILOMERA.

Ptilomera, Serv. *Hist. Hem.* 413.

1. PTILOMERA LATICAUDA.

Gerris laticauda, Hardw. *Trans. Linn. Soc.* xiv. 131—*Ptilomera laticauda*,
Serv. *Hist. Hem.* 414, pl. 8, f. 3. *H.-Sch. Wanz. Ins.* ix. 65, pl. 305,
f. 940—*Ptilomera Cingalensis*, Stal, *Ofv. K. V. Ak. Forh.* xii. 190—
Ptilomera tigrina? Uhler, *Proc. Acad. Nat. Sci. Phil.* 1860, 230.

Java. China.

a, b. Nepaul. Presented by Major-Gen. Hardwicke.

c. Hindostan. From the Entomological Society's collection.

d. North Hindostan. From Capt. Strachey's collection.

e, f. Ceylon. Presented by Dr. Templeton.

Genus 3. HALOBATES.

Halobates, Esch. *Entomogr.* 164. *De Lap. Burm. Handb. Ent.* ii. 208.
Serv. Hist. Hem. 411.

1. HALOBATES PICTUS.

pictus, Germ. *H.-Sch. Wanz. Ins.* viii. 111, pl. 286, f. 832, 833.

a—h. Indiana. Presented by F. Walker, Esq.

2. HALOBATES SERICEUS.

sericeus, *Esch. Entomogr.* 164. *Burm. Handb. Ent.* ii. 209. *Blanch. Hist. Nat. Ins.* iii. 98. *Serv. Hist. Hem.* 413.

Cape. N. Pacific. Cuba.

3. HALOBATES MICANS.

micans, *Esch. Entomogr.* 163, pl. 2, f. 3. *Burm. Handb. Ent.* ii. 268. *H.-Sch. Wenz. Ins.* viii. 10.

S. Atlantic. S. Pacific.

4. HALOBATES FLAVIVENTRIS.

flaviventris, *Esch. Entomogr.* 165, pl. 2, f. 5. *Burm. Handb. Ent.* ii. 209.

S. Atlantic.

5. HALOBATES LITURATUS.

lituratus, *Stal, Ofv. K. V. Ak. Forh.* xi. 238; *Eug. Ress*, 264. *Mayr, Novara Hem.* 177.

Wampoa. China.

6. HALOBATES WULLERSTORFFI.

Wullerstorffi, *Frauenf. Verh. Zool. Bot. Ges. Wien.* xvii. 468, pl. 12, f. 1, 2, 6, 8, 10.

Off Cape Irio.

Div. 2.

Brachymetra, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xv. 445; *Novara Hem.* 128.

7. HALOBATES ALBINERVUS.

albinervus, *Serv. Hist. Hem.* 412—*Brachymetra albinervus*, *Mayr, Verh. Zool. Bot. Wien.* xv. 445; *Novara Hem.* 178.

Brazil.

Div. 3.

Metrocoris, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xv. 445; *Novara Hem.* 178.

8. HALOBATES BREVIS.

Metrocoris brevis, *Mayr, Verh. Zool. Bot. Gesell. Wien.* xv. 445; *Novara Hem.* 179, f. 56.

a. Ceylon. Presented by Dr. Dr. Templeton.

HYPEROCHMISA.

- A.** Fore tibiae bipunctate. - - - - - **1. CALCEOLA.**
B. Fore tibiae tripunctate. - - - - -
a. Fore tibiae with 2 or 3 punctures and varicose. Fore
tibiae varicose. Hind tibiae with two close
punctures. - - - - -
• Body black. Antennae 2-jointed. - - - - - **2. MACROCHMIS.**
• Body elongate. Antennae 3-jointed. - - - - - **3. MACROCHMIS.**
b. Fore tibiae with 2 or 3 punctures. Fore tibiae not
varicose. Hind tibiae generally varicose. Fore-
tibiae - - - - -
• Body black. Hind tibiae with an apical
puncture. - - - - - **4. COCCINUS.**
• Body elongate. Fore tibiae generally with two
punctures. - - - - - **5. HYPEROCHMIS.**

Gen. 1. CALCEOLA.

Calceola. Fabr. Hist. Mus. 422—*Macropoda*, Stål, Mem. Aft. N. 174.

- A.** Fore tibiae with two close. - - - - - **Calceola**
B. Fore tibiae with one close. - - - - - **Macropoda**

Gen. 1. CALCEOLA.

Calceola. Fabr. Hist. Mus. 422. Bern. Handb. Hist. N. 201.
Sav. Hist. Mus. 422. E. N. J. V. 87, pl. 174, ix. 94;
p. 201. f. 1.

1. CALCEOLA OCELLATA.

Xanthus ocellatus. Fabr. Ent. Syst. Suppl. 335: Syst. Rhyn. 111—*Calceola*
ocellatus. Latr. Hist. Nat. Ins. v. 246, pl. 95, f. 9; Gen. iii. 144. St.
Foy et Serv. Ent. 2. 271. De Lap. Mem. pl. 50, f. 3. Bern. Handb.
Ent. 2. 202. Blanch. Hist. Nat. Ins. iii. 93. Sav. Hist. Mus. 424.
Stål, Mem. Fabr. i. 133.

- a—c.** St. John's Bluff, E. Florida. Presented by E. Doubleday, Esq.
f—h. Florida. Presented by F. Walker, Esq.
i—n. Florida. Presented by W. W. Saunders, Esq.
o—r. Indiana. Presented by F. Walker, Esq.
s—u. Orizaba. From M. Sallé's collection.
v. Mexico. Presented by the Entomological Club.
xx—aa. Columbia. From M. Goudot's collection.
bb—ff. Columbia. From Mr. Turner's collection.
gg. Archidona. From Mr. Stevens' collection.
hh. Para. From Mr. Bates' collection.
ii. Para. From Mr. Wallace's collection.
jj. Cuenca. From Mr. Fraser's collection.
kk. North America. Presented by Sir R. I. Murchison.

2. GALGULUS BUFO.

Galgulus bufo, *Lefebvre*. *H.-Sch. Wanz. Ins.* v. 88, pl. 174, f. 536.
America.

3. GALGULUS PULCHER.

pulcher, *Stal, Ofv. K. V. Ak. Forh.* xi, 239.
Mexico.

Genus 2. MONONYX.

Mononyx, *De Lap. Hem.* 16. *Burm. Handb. Ent.* ii. 201. *Serv. Hist. Hem.* 425. *H.-Sch. Wanz. Ins.* ix. 25, pl. 291, f. B—G.

Divisions of Mononyx.

- | | |
|--|-----------|
| A. Prothorax bent hindward in the middle. Membrane distinct. | |
| a. Disk of the prothorax slightly elevated. Mesosternum with a longitudinal keel, which is hardly acutely elevated hindward. | MONONYX. |
| b. Disk of the prothorax distinctly elevated. Keel of the mesosternum abruptly and obtusely much elevated hindward. | PHINTIUS. |
| B. Prothorax truncated hindward and not or very slightly bent. Membrane indistinct, or confused with the corium. | MATINUS. |

1. MONONYX NEPÆFORMIS.

Naucoris Nepæformis, *Fabr. Syst. Ent.* 693; *Sp. Ins.* ii. 335; *Mant. Ins.* ii. 277, *Ent. Syst.* iv. 67; *Syst. Rhyn.* 111—*Mononyx raptorius*, *Burm. Handb. Ent.* ii. 201. *Am. et Serv. Hist. Hem.* 426. *H.-Sch. Wanz. Ins.* ix. 27, f. 895. *Blanch. Hist. Nat. Ins.* iii. 93—*Mononyx bipunctatus*, *Stal, Ofv. Vet. Ak. Forh.* xi. 239; *Berl. Ent. Zeit. Schr.* vii. 405—*Mononyx Nepæformis*, *Stal, Hem. Fabr.* i. 134.

West Indies.

2. MONONYX RAPTORIUS.

Naucoris raptoris, *Fabr. Syst. Rhyn.* 111. *St. Farg. et Serv.* x. 271—*Mononyx rarinus*, *H.-Sch. Wanz. Ins.* ix. 28, pl. 291, f. 396—*Mononyx bipunctatus*, *Stal, Ofv. K. V. Ak. Forh.* xi. 239; *Rio Jan. Hem.* i. 82.

- a. Brazil.
- b. Rio Janeiro. Presented by A. Fry, Esq.
- c. Brazil. Presented by W. W. Saunders, Esq.
- d—g. Columbia. From M. Goudot's collection.
- h. Mexico. From Mr. Argent's collection.
- i. Constanica. Presented by the Rev. H. Clark.
- j. Tunantins. From Mr. Bates' collection.
- k—m. Columbia. From Mr. Dyson's collection.

- n. Rio Grande. Presented by W. W. Saunders, Esq.
 o. Orizaba. From M. Sallé's collection.
 p. Cuenca. From Mr. Fraser's collection.
 q. Oajaca. From M. Hartweg's collection.
 r. Brazil. From Mr. Stevens' collection.

3. MONONYX FUSCOCONSPERSUS.

fuscoconspersus, *Stal, Rio Jan. Hem.* 82.

Rio Janeiro.

4. MONONYX PARVULUS.

parvulus, *Sgnt. A. S. E. F. 4me Sér.* iii. 588.

Chili.

5. MONONYX BADIUS.

badius, *H.-Sch. Wanz.* ix. 27, pl. 291, f. 894.

Mexico. Mosquito Coast.

6. MONONYX AMPLICOLLIS.

ampliocollis, *Stal, Ofv. K. V. Ak. Forh.* xi. 239.

Columbia.

7. MONONYX OBSCURUS.

obscurus, *Stal, Ofv. K. V. Ak. Forh.* xi. 239.

Mexico.

Div. 2.

Phintius, *Stal, Ofv. K. V. Ak. Forh.* xviii. 201.

8. MONONYX GRANDICOLLIS.

grandicollis, *Germ. Silb. Rev. Ent.* v. 122—*sordidus*, *H.-Sch. Wanz. Ins.* ix. 26, pl. 291, f. 893 — *limigenus*, *Stal, Ofv. K. V. Ak. Forh.* xi. 46—*rotundicollis*, *Sgnt. Arch. Ent.* ii. 329—*Phintius grandicollis*, *Stal, Hem. Afr.* iii. 172.

Sierra Leone. Gabon. Madagascar.

a. Natal. From M. Gueinzus' collection.

Div. 3.

Matinus, *Stal, Ofv. K. V. Ak. Forh.* xviii. 201.

9. MONONYX ALATICOLLIS.

alaticollis, *Stal.*

Genus 3. PELTOPTERUS.

Peltopterus, Guér. *Rev. Zool.* 1843, 113. *Stal, Hem. Afr.* iii. 173—
Scyllæus, *Stal, Ofv. K. V. Ak. Forh.* xviii. 201.

1. PELTOPTERUS RUGOSUS.

Naucoris rugosa, Desj. *A. S. E. F.* vi. 239; *Serv. A. S. E. F.* vi. 243—
Peltopterus rugosus, Guér. *Rev. Zool.* 1843, 113. *Stal, Hem. Afr.*
 iii. 173.

Mauritius.

2. PELTOPTERUS MACROTHORAX.

Galgulus macrothorax, Mitz. *Ann. Sci. Phys. 2me Sér.* vii. 1, 110—*Pel-*
topterus macrothorax, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 706.

Philippine Isles.

PEDIRAPTI.

Fam. NAUCORIDÆ.

Naucoridæ, *Serv. Hist. Hem.* 426 — *Naucoridæ* and *Aphelochiræ*, Fieb.
Eur. Hem. 32—*Naucorida* and *Belostomadida*, *Stal, Hem. Afr.* iii.
 174, 178—*Aphelochirina*, *Aphelochiridæ*, *Naucorina* and *Naucoridæ*,
Dougl. and Scott, Hem. 43—45—*Naucorina* and *Belostomina*, *Stal,*
Ofv. K. V. Ak. Forh. xxvii. 706.

A. Membrane developed.

a. Fore tarsi two-jointed.

* Fore tarsi with one claw.

† First joint of the fore tarsi shorter than the second;
 claw as long as the two joints together. - - - BELOSTOMA.

†† First joint of the fore tarsi as long as the second; claw
 shorter than the second joint. - - - ZAITHA.

** Fore tarsi with two claws. - - - APPASUS.

b. Fore tarsi with one joint. - - - NAUCORIS.

B. Membrane rudimentary.

a. Fore tarsi with two joints. - - - SPHERODOMA.

b. Fore tarsi with one joint. - - - DIPLONYCHUS.

Berberotrophes is distinguished from *Appasus* by the fore femora not
 incrassated; *Benacus* from *Belostoma* by the fore femora not furrowed
 beneath; *Hydrocyrius* from *Belostoma* by having two claws on the fore
 tarsi; *Serphus* and *Abedus* from *Zaittha* by having the metasternum
 keeled; *Nervinops* from *Sphærodoma* and *Appasus* by the one-jointed fore
 tarsi; *Serphus* from *Abedus* as follows.—

† First and second joints of the rostrum about equal in
 length. Third joint of the antennæ with a short
 acute process. Commissural border of the clavus

longer than the smaller lobe. Mandibles short, with conspicuous teeth.

SERRA.

† Fore joint of the antennae slightly longer than the second. Second and third joints of the antennae with a long process. The two lobes of the claws equally long, or the outermost a little shorter than the innermost. Mandibles very narrow.

AUGER.

Genus 1. BELUSTONIA.

Belustonia. Latr. Gen. ii. 141. *Gen. Hist. Hem.* 427. *Stal, Hist. H.* ii. 115—*Belustonia*, *Ann. Mus. Nat. Hist.* ii. 195.

Key 1.

The two following are mountain species.

Belustonia nuda.

Belustonia. *Gen. Hist. Hem.* Cuba, *Ann.* 422.

Cuba.

Belustonia coccinea.

Belustonia. *Gen. Hist. Hem.* Cuba, *Ann.* 422.

Cuba.

1. *Belustonia americana*.

Belustonia. *Hist. Nat. Z. B. G. V. Wien.* xii. 434.

Hudson.

2. *Belustonia detrita*.

Detrita. *Jah. Verh. d. S. E. F. Ges. St. N.* 141, pl. 1, f. 5.

Japan.

3. *Belustonia celanica*.

celanica. *Stal. Di. K. T. At. Verh.* xi. 240; xviii. 205—*Amegilla*, *Stal. Hist. H.* ii. 179 *celanica*, *Stal, Berl. Ent. Zeit.* x.

Mexico Cuba. Hudson.

4. *Belustonia grandis*.

Belustonia. *Ann. Mus. Nat. Hist.* ii. 26. *Stal, Ann. pl.* 7, f. 4—*Nepa grandis*. *Latr. Gen. Hist. Hem.* i. 273: *Ann. Utr.* 164. *Dep. Ins.* iii. 379. *Stal. Ann. Mus. Nat. Hist.* viii. 180—*Belustonia grandis*, *Stal. Ann. Mus. Nat. Hist.* x. 272, pl. 121 (Nepa) f. 1—*Belustonia grandis*. *Ann. Mus. Nat. Hist.* ii. 422. *Hist. Nat. Z. B. G. V. Wien.* xii. 434—*Belustonia grandis*. *Ann. Mus. Nat. Hist.* ii. 195.

1844.

1845.

1846. Presented by Dr. Hübner.

5. BELOSTOMA INDICA.

———, *Stoll, Pan.* 34, pl. 7, f. 4—*Belostoma Indica*, *St. Farg. et Serv. Enc.* x. 272—*Belostoma Indicum*, *Serv. Hist. Hem.* 429. *Mayr, Verh. Z. B. G. V. Wien.* xxi. 426.

Ceylon. Cochin China. Philippine Isles. Australia.

- a, b. China. Presented by Mrs. Mason.
- c, d. North China. From Mr. Fortune's collection.
- e. Japan. From Mr. Stevens' collection.
- f. Buru. Presented by W. W. Saunders, Esq.
- g. Tenaasserim. Presented by — Packman, Esq.
- h. Silhet.
- i. North China. From Mr. Fortune's collection.
- j. Madras. Presented by — Jerdan, Esq.
- k. Celebes. From Mr. Wallace's collection.
- l. Celebes. Presented by W. W. Saunders, Esq.
- m. North Bengal. From Lieut. Campbell's collection.
- n. Hindostan. From Archdeacon Clerk's collection.
- o. Silhet. From the Rev. Mr. Stainforth's collection.
- p. Java. Presented by J. C. Bowring, Esq.
- q. Off the Persian Gulf. "There was an immense cloud of them." Presented by John Doubleday, Esq.
- r. Ashanti.
- s. Corfu. Presented by Sir J. Richardson.
- t. Natal. From M. Guesinzus' collection.

6. BELOSTOMA ANGUSTIPES.

angustipes, *Mayr, Verh. Z. B. G. V. Wien.* xxi. 427.

Mexico.

7. BELOSTOMA ANNULIPES.

annulipes, *H.-Sch. Wanz. Ins.* viii. 28, pl. 258, f. 803, 804. *Mayr, Verh. Z. B. G. V. Wien.* xxi. 427—*ruficeps*, *L.-Duf. A. S. E. F. 4me Sér.* ii. 382—*Signoreti*, *L.-Duf. A. S. E. F. 4me Sér.* ii. 382.

Cuba. New Granada. Venezuela. Surinam. Brazil.

8. BELOSTOMA GRISEA.

grisea, *Say, Ins. N. Harm. Ind.* 809—*grande var. Americanum*, *Leidy, Journ. Acad. Nat. Sci. Phil. N. Ser.* i. 66—*impressum*, *Hald. Proc. Acad. Nat. Sci. Phil.* vi. 364—*luciosum*, *L.-Duf. A. S. E. F. 4me Sér.* ii. 383—*obscurum*, *L.-Duf. A. S. E. F. 4me Sér.* ii. 383—*griseum*, *Mayr, Verh. Z. B. G. V. Wien.* xxi. 426—*griseocens*, *Stål, Ofv. K. V. Ak. Forh.* xviii. 285.

- a. Mexico. Illinois. Presented by F. Walker, Esq.

Box 2.

Desmunda *Stal.* *Opusc. K. V. Ak. Forh.* xii. 288. *Mayr*, *Verh. Z. B. G. V.*
Wien xii. 288.

1. *Desmunda* *Macromera*.

Desmunda *Macromera* *Leidy*, *Journ. Acad. Nat. Sci. Phil. A. Soc.*
 1878—*Desmunda* *Macromera* *Stal.* *Opusc. K. V. Ak. Forh.* xii. 288.
Mayr, *Verh. Z. B. G. V.* *Wien* xii. 288—*Desmunda* *leidyana*, *Stal.*
Opusc. K. V. Ak. Forh. x. 287—*Desmunda* *subcapa*, *var.*, *L.-Duf. A.*
S. B. F. *Ann. Soc. i.* 187—*Desmunda* *distans*, *L.-Duf. A. S. B. F.*
Ann. Soc. i. 187—*Desmunda* *neglecta*? *Guér.* *Sap. Hist.*
Nat. vi. 428.

a. *New York*. Presented by Sir R. I. Macdonald.

b. *Germany*. Presented by E. Dackhoff, Esq.

c. *New York*. Presented by E. Dackhoff, Esq.

d. *New York*. Presented by F. Walker, Esq.

e. *New York*. From Ernst Rehn's collection.

Box 3.

Hydrocybus *Spin.* *Ann. Soc. Ent. Nat.* 185. *Stal.*, *Mon. Agr.* iii. 131—
Hydrocybus *Stal.* *Opusc. K. V. Ak. Forh.* x. 281.

12. *Desmunda* *Cucullata*.

Hydrocybus *Cucullata* *Spin.* *Ann. Soc. Ent. Nat.* 185. *Mayr*, *Verh. Z.*
B. G. V. *Wien* xii. 421—*Desmunda* *gusta*, *Lucas*, *Hist. Nat. An.*
Soc. Agr. ii. 63—*Hydrocybus* *maculatus*, *Stal.* *Opusc. K. V. Ak. Forh.*
 xii. 41—*Desmunda* *argentea*, *L.-Duf. Mon. Ac. Sci. Lidge*, 1854,
 185. p. 1. 1—*Hydrocybus* *argentea*, *L.-Duf. A. S. B. F.*
Ann. Soc. i. 185—*Desmunda* *maculatus*? *Guér.*, *Ann. Zool.*
 1853—*Desmunda* *neglecta*, *Guér.* *Sap. Hist. Cuba*, vii. 428—
Hydrocybus *gusta*, *Spin.* *Ann. Agr.* iii. 132.

Monica *Cuba* *Anna* *Macdonald*.

13. *Desmunda* *maculata*.

Hydrocybus *maculata*, *Mayr*, *Verh. Z. B. G. V.* *Wien* xii. 359; xii. 430.
Santa Lucia.

Box 4.

Polysphincta, *Mayr*, *Verh. Ent. Soc. Ver.* *Wien* xii. 347; xii. 405.

14. *Desmunda* *maculata*.

maculata, *Mayr*, *Verh. Z. B. G. V.* *Wien* xii. 359, pl. 11, f. 1-4; xii
 405.

California.

13. BELOSTOMA BRACHONYX.

brachonyx, Mayr, *Verh. Z. B. V. Wien.* xlii. 351, pl. 11, f. 5; xxi. 405.
California.

Div. 5:

Serphus, Stal, *Stett. Ent. Zeit.* 1862, 462. Mayr, *Verh. Zool. Bot. Ver. Wien.* xxi. 403.

14. BELOSTOMA DILATATA.

dilatata, Say, *N. Harm. Ind.* 1831, 810; *Works ed. Lec.* i. 368—*Serphus dilatatus*, Stal, *Stett. Ent. Zeit.* xxiii. 462. Mayr, *Verh. Zool. Bot. Ver. Wien.* xxi. 403.

Mexico.

Div. 6.

Abedus, Stal, *Stett. Ent. Zeit.* xxiii. 461. Mayr, *Verh. Z. B. V. Wien.* xxi. 403—*Stenoscytus*, Mayr, *Verh. Z. B. V. Wien.* xiii. 343.

15. BELOSTOMA OVATA.

Abedus ovatus, Stal, *Stett. Ent. Zeit.* xxiii. 461. Mayr, *Verh. Z. B. V. Wien.* xxi. 404—*Stenoscytus Mexicanus*, Mayr, *Verh. Z. B. V. Wien.* xiii. 347, pl. 11, f. 6—10.

Mexico.

16. BELOSTOMA BREVICEPS.

Abedus breviceps, Stal, *Stett. Ent. Zeit.* xxiii. 462. Mayr, *Verh. Z. B. V. Wien.* xxi. 404.

Mexico.

17. BELOSTOMA SIGNORETI.

Abedus Signoreti, Mayr, *Verh. Z. B. V. Wien.* xxi. 404.

Mexico. Guatemala.

18. BELOSTOMA VICINA.

Abedus vicinus, Mayr, *Verh. Z. B. V. Wien.* xxi. 405.

Oaxaca.

Genus 2. ZAITHA.

Zaitba, Serv. *Hist. Hem.* 430. H.-Sch. *Wanz. Ins.* ix. 35. Mayr, *Verh. Z. B. V. Wien.* xxi. 406—*Perthostoma*, Leidy, *Journ. Acad. Nat. Sci. Phil. N. Ser.* i. 66.

1. ZAITHA STOLLII.

—— *Stoll. Pun.* ii. pl. 1, f. 1—*Nepa rustica*, Fabr. *Syst. Ent.* 691—*Zaitba Stollii*, Serv. *Hist. Hem.* 430. H.-Sch. *Wanz.* ix. 35, pl. 192. f. 697, 698. Mayr, *Verh. Z. B. V. Wien.* xxi. 410—*Z. indeutata*, Hald. *Proc. Acad. Nat. Sci. Phil.* vi. 364.

Mexico. Cayenne.

2. *ZAITHA MARGINEGUTTATA*.

marginieguttata, *L.-Duf. A. S. E. F. 4me Sér. ii. 387. Mayr, Verh. Z. B. V. Wien. xxi. 410*—*carbonaria*, *L.-Duf. A. S. E. F. 4me Sér. ii. 388—Stollii, Mayr, Verh. Z. B. V. Wien. xiii. 352.*

Brazil.

3. *ZAITHA DILATATA*.

dilatata, *L.-Duf. A. S. E. F. 4me Sér. ii. 387, pl. 22, f. 14. Mayr, Verh. Z. B. V. Wien. xxi. 411.*

Amazon Region.

4. *ZAITHA FOVEOLATA*.

foveolata, *Mayr, Verh. Z. B. V. Wien. xxi. 411.*

Cayenne.

5. *ZAITHA EUMORPHA*.

eumorpha, *L.-Duf. A. S. E. F. 4me Sér. ii. 386. Mayr, Z. B. V. Wien. xxi. 411*—*dentata*, *Mayr, Verh. Z. B. G. V. Wien. xiii. 356.*

Brazil.

6. *ZAITHA ANURUS*.

Diplonychus anurus, *H.-Sch. Wanz. Ins. viii. 26, pl. 257, f. 799—Zaitha anurus, L.-Duf. A. S. E. F. 4me Sér. ii. 388. Mayr, Verh. Z. B. G. V. Wien. xxi. 412—Zaitha Boscii, H.-Sch. Wanz. Ins. ix. 36. Mayr, Verh. Z. B. G. V. Wien. xiii. 354—Zaitha Stollii, L.-Duf. A. S. E. F. 4me Sér. ii. 387, partly—Zaitha cupreomicans, *Stal, Ofv. K. V. Ak. Forh. xi. 240—Zaitha subspinoso, L.-Duf. A. S. E. F. 4me Sér. ii. 387—Zaitha bifoveolata? Hald. Expl. Salt Lake, Utah, 1852, pl. 10, f. 1.**

Cuba. Brazil.

a. Monte Video. Presented by W. W. Saunders, Esq.

7. *ZAITHA BOOPS*.

boops, *L.-Duf. A. S. E. F. 4me Sér. ii. 388, partly. Mayr, Verh. Z. B. G. V. Wien. xxi. 414—Stollii, L.-Duf. A. S. E. F. 4me Sér. ii. 387, partly—Asiatica, Mayr, Verh. Z. B. G. V. Wien. xiii. 354.*

Brazil. Chili.

8. *ZAITHA ELLIPTICA*.

elliptica, *Latr. Humboldt, Rec., &c., ii. 105, pl. 39, f. 4. Mayr, Verh. Z. B. Wien. xxi. 415.*

Mexico.

9. *ZAITHA ELEGANS*.

elegans, *Mayr, Verh. Z. B. Wien. xxi. 415.*

Buenos Ayres. Uruguay.

10. *ZAITHA BIFOVEOLATA*.

Belostoma bifoveolatum, *Spin. Faun. Chili*, vii. 227—*Zaitha bifoveolata*,
L.-Duf. A. S. E. F. 4me Sér. ii. 389. *Mayr, Verh. Z. B. Wien.* xxi.
 416.

Chili.

11. *ZAITHA FLUMINEA*.

Belostoma fluminea, *Say, MS. N. Harm. Ind.* 809; *Works ed. Lec.* 364—
Zaitha fluminea, *L.-Duf. A. S. E. F. 4me Sér.* ii. 388. *Mayr, Verh.*
Z. B. Wien. xxi. 416.

United States.

12. *ZAITHA TESTACEA*.

Perthostoma testaceum, *Leidy, Journ. Acad. N. Sci. Phil.* 2nd Ser. i. 60—
Zaitha reticulata, *Hald. Expl. Valley, Salt Lake, Utah*, 370—
Zaitha testacea, *Mayr, Verh. Z. B. Wien.* xxi. 417.

South Carolina. Texas.

13. *ZAITHA AURANTIACA*.

Perthostoma aurantiacum, *Leidy, Journ. Nat. Sci. Phil.* 2nd Ser. i. 160—
Zaitha lutaria, *Stal, Ofv. K. V. Ak. Forh.* xii. 190. *Mayr, Verh. Z.*
B. G. V. Wien. xxi. 416.

a. Canada.

b—h. Illinois. Presented by F. Walker, Esq.

i. Erie. Presented by E. Doubleday, Esq.

j. North America. Presented by the Entomological Club.

k—p. Oajaca. From M. Sallé's collection.

14. *ZAITHA ANGULATA*.

Perthostoma angulatum, *Uhler*.

a. Matamoras. Presented by F. Walker, Esq.

15. *ZAITHA FUSCIVENTRIS*.

fusciventris, *Stal*.

Mexico.

16. *ZAITHA MINOR*.

minor, *L.-Duf. A. S. E. F. 4me Sér.* ii. 391. *Mayr, Verh. Z. B. G.*
Wien. xxi. 417.

Mexico. Brazil.

17. *ZAITHA OXYURA*.

oxyura, *L.-Duf. A. S. E. F. 4me Sér.* ii. 390. *Mayr, Verh. Z. B. G. V.*
Wien. xxi. 417.

Monta Video. Buenos Ayres.

THE FUTURE OF THE FUTURE

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SECRET

DE LUCHA FUGUELA

~~James J. ...~~ Major, Fort Z. B. G.
Was in the

James Street

5.2.3.2. THE FUTURE

1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2

THE JOURNAL OF THE

Figure 1

Successors: Mar. Fyn. I 3 6. V. Wm. vii 482.

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University of California, Los Angeles

三、结论

GOALS & AFFAIRS

Amyotella. See *Fax Fax* + N. See *Haw Afr.* iii. 183—*Amyotella*?
See *Fax Fax* &

2. APPROPRIATE PRINCIPLES.

Nature's Species. *Fav. Syn. Rara*. 111.—*Apparus nepoidea*, L. Duf. A.
S. E. F. 4th Ser. = 3rd. *Syn. Hem. Fabr.* i. 134—*Diplonychus luridus*?
Ger. Sil. Rar. Ent. v. 121—*Apparus natator*, *Serr. Hist. Hem.* 431.
Eggs. Szeged. Nat.

2 APPASTS CAPENSIS.

Salator, Stal, Hem. Afr. iii. 184—Capensis, Mayr, Verh. Z. B. G. V. Wien. xxi. 434.

Cape. Eastern Africa.

Div. 2.

Linnogeton, Mayr, *Verh. Zool. Bot. Ver. Wien.* ii. 15. *Stal, Hem. Afr.*
iii. 180—*Berberotrepes*, *Stal, Ofv. K. V. Ak. Forh.* xi. 239.

3. APPASUS FIEBERI.

Limnogeton Fieberi, Mayr, *Verh. Z. B. G. V. Wien.* ii. 16—*Berberotrephes Hedenborgi*, Stål, *Ofv. K. V. Ak. Forh.* xi. 24; xiii. 66, pl. 1, f. 5; *Hem. Afr.* iii. 180.

4. APPASUS SCUTELLATUS.

Limnogeton scutellatum, Mayr, *Verh. Z. B. G. Wien.* xiii. 361; xxi. 431. *Chartum*.

Genus 4. SPHÆRODEMA.

Sphærodema, Le Lap. *Hem.* 18. *Serv. Hist. Hem.* 436—*Diplonychus*, Burm. *Handb. Ent.* ii. 194.

1. SPHÆRODEMA ANNULATA.

Nepa annulata, Fabr. *Syst. Rhyn.* 196. Oliv. *Enc.* viii. 189—*Sphærodema rotundata*, De Lap. *Hem.* 18, pl. 52, f. 1—*Belostoma marginata*, Gray, *Griff. An. K. Ins.* 248, pl. 93, f. 4—*Diplonychus annulatus*, Burm. *Handb. Ent.* ii. 194. Blanch. *Hist. Nat. Ins.* iii. 91. H.-Sch. *Wanz. Ins.* viii. 25, pl. 257, f. 798—*Sphærodema annulatum*, *Serv. Hist. Hem.* 436.

a. Hindostan. Presented by J. C. Bowring, Esq.

b, c. Hindostan.

d. Bengal.

e. North Bengal. From Lieut. Campbell's collection.

f. Silhet. From Mr. Argent's collection.

g, h. Silhet. Presented by J. C. Bowring, Esq.

Genus 5. DIPLONYCHUS.

Diplonychus, De Lap. *Hem.* 18. Burm. *Handb. Ent.* ii. 194. *Serv. Hist. Hem.* 436—*Nervinopa*, L.-Duf. *A. S. E. F. 4me Sér.* ii. 398.

1. DIPLONYCHUS URINATOR.

Appasus urinator, L.-Duf. *A. S. E. F. 4me Sér.* ii. 393—*Appasus unicolor*, L.-Duf. *A. S. E. F. 4me Sér.* ii. 394—*Diplonychus urinator*, Mayr, *Verh. Z. B. V. Wien.* xxi. 436.

Egypt.

2. DIPLONYCHUS MOLESTUS.

Appasus molestus, L.-Duf. *A. S. E. F. 4me Sér.* ii. 395—*Nervinopa molestus*, L.-Duf. *A. S. E. F. 4me Sér.* ii. 399, partly—*Diplonychus molestus*, Mayr, *Verh. Z. B. V. Wien.* xxi. 436.

Malacca.

3. DIPLONYCHUS EQUUS.

Appasus equus, L.-Duf. *A. S. E. F. 4me Sér.* ii. 394—*Diplonychus equus*, Mayr, *Verh. Z. B. V. Wien.* xxi. 437.

Malacca.

4. DIPLONYCHUS RUSTICUS.

—— *Stoll. Pun.* 36, pl. 7, f. 6—*Nepa plana?* *Sulz. Alg. Gesch. Ins.* 92, pl. 10, f. 2—*Nepa rustica*, *Fabr. Syst. Rhyn.* 106. *Olav. Esc.* viii. 189—*Nervioops rusticus*, *L.-Duf. A. S. E. F.* 1863, 399, partly—*Diplonychus rusticus*, *Mayr, Verh. Z. B. Wien.* xxi. 438.

Sumatra.

- a. Bengal.
- b. Hindostan. From Archdeacon Clerk's collection.
- c. Hindostan. From the Entomological Society's collection.
- d. North Hindostan. From Dr. Hooker's collection.
- e. North Bengal. From Lieut. Campbell's collection.
- f. Tenasserim. Presented by J. C. D. V. Packman, Esq.
- g. Ceylon. From Mr. Layard's collection.
- h—k. North China. From Mr. Fortune's collection.
- l. Shanghai. From Mr. V. C. de Rivaz's collection.
- m. Hong Kong. Presented by J. C. Bowring, Esq.
- n, o. Java.
- p. Philippine Isles. From Mr. Cuming's collection.
- q. Philippine Isles. Presented by J. C. Bowring, Esq.
- r. Interior of China. Presented by Lieut. Col. H. A. Sarel.
- s—v. New South Wales. From Mr. Macgillivray's collection.
- w. South Australia. Presented by R. Bakewell, Esq.
- x. Australia. From Mr. Argent's collection.

Genus 6. NAUCORIS.

Naucoris, *Geoffr. Fabr. Latr. Burm. Handb. Ent.* ii. 193. *Serr. Hist. Hem.* 431. *Fieb. Eur. Hem.* 102. *Dougl. and Scott, Hem.* 579—*Ilyocoris et Naucoris*, *Stal, Hem. Afr.* iii. 176, 176.

This genus has been divided as follows:—

- A. Head small, oval, porrect, with a tooth on each side at the tip. Side borders of the prothorax crenulated. Fore wings truncated, not gaping, not extending to the middle of the abdomen.
- B. Head large, transverse, broadly rounded in front. Side borders of the prothorax entire. Fore wings complete, gaping.
 - a. Labrum rounded at the tip.
 - * Fore angles of the prothorax extending to or a little in front of the middle of the eyes.
 - † Fore femora not or hardly widened at the base.
 - ‡ Prothorax not or hardly bent in the middle between the eyes.
 - ‡‡ Prothorax distinctly or rather deeply bent in the middle between the eyes.
 - †† Fore femora abruptly widened at the base beneath.

CRYPTOCORIS.

ILYOCORIS.

AMBRYCOR.

- † Second joint of the rostrum extending beyond the labrum. Mesosternum with a rather elevated keel. - - - - - NAUCORIS.
- †† Second joint of the rostrum wholly or almost wholly hidden by the labrum. Mesosternum compressed and elevated lengthwise in the middle, and especially so hindward. - - - - - MACROCORIS.
- ** Fore angles of the prothorax extending far beyond the middle or almost to the fore border of the eyes.
- † Eyes bordered on the outer side in front by the angles of the prothorax. - - - - - BORBOROCORIS.
- †† Eyes not bordered on the outer side in front. - - - - - LIMNOCORIS.
- b. Labrum triangular, acute in front. - - - - - LACCOCORIS.

1. NAUCORIS CIMICOIDES.

——— Stoll, *Pun.* 53, pl. 12, f. 8. *Ross. Ins.* iii. pl. 28. *Sulz. Ins.* pl. 10, f. 3. *Schell. Cim.* pl. 12. *Sch. Icon.* pl. 33, f. 3, 4—*Nepa naucoris*, *Deg. Ins.* iii. 375, pl. 19, f. 8, 9—*Nepa cimicoides*, *Linn. Syst. Nat.* i. 2, 714; *Faun. Suec.* 907. *Schrank. Ins.* 262—*Naucoris cimicoides*, *Geoff. Ins.* i. 474, pl. 9, f. 5. *Fabr. Ent. Syst.* iv. 66. *Syst. Rhyn.* 110. *Tign. Hist. Nat. Ins.* iv. 254, pl. 6, f. 1. *Latr. Hist. Nat. Ins.* xii. 285, pl. 97, f. 3; *Gen.* iii. 146. *Oliv. Enc.* viii. 143, pl. 374, f. 24. *Panz. Faun. Germ.* 95, 16. *Fall. Hem. Suec.* 176. *Burm. Handb. Ent.* ii. 193. *Brull. Hist. Nat. Ins.* ix. 271. *Spin. Hem.* 53. *L.-Duf. Rech. Hem.* 79. *Blanch. Hist. Nat. Ins.* iii. 92. *Serv. Hist. Hem.* 433. *Fieb. Eur. Hem.* 102. *Flor. Rhyn. Liv.* i. 753. *Dougl. and Scott, Hem.* 580—*Ilyocoris cimicoides*, *Stål.*

a, b. England. From Mr. Stephens' collection.

c—l. England.

m, n. Franco. Presented by W. W. Saunders, Esq.

o, p. France.

2. NAUCORIS MACULATUS.

Naucoris maculatus, *Fabr. Syst. Rhyn.* 110, 2. *Oliv. Hist. Nat. Ins.* ix. 272. *Blanch. Hist. Nat. Ins.* iii. 92. *Enc.* viii. 143; *Spin. Hem.* 54. *Brullé, Burm. Handb.* 194, 2. *Serv. Hem.* 434. *H.-Sch. Wanz. Ins.* ix. 39, pl. 293, f. 899—aptera, *L.-Duf. Rech. Hem.* 77.

Europe.

3. NAUCORIS PORYI.

Pocyi, *Guér. Ic. R. An. Ins.* pl. 57, f. 5; *Sagra, Hist. Cuba, Ins.* 418. *Serv. Hist. Hem.* 434, pl. 8, f. 5.

Mexico. Cuba.

a, b. Jamaica. From Mr. Gosse's collection.

4. NAUCORIS NEPEFORMIS.

nepeformis, *Fabr. Ent. Syst.* iv. 67, 8.

South America.

5. NAUCORIS BIPUNCTULATUS.

bipunctulatus, *H.-Sch. Wenz. Ins.* ix. 30, pl. 283, f. 900—*Galgula bilobus*, *Gutr. Icon. R. Anim.* 351—*Naucoris binotulatus*, *Stal, Rio Jan. Hem.* 83—*Ilyocoris binotulatus*, *Stal.*

Brazil.

Var. *f* a, b. Columbia. From M. Goudet's collection.

6. NAUCORIS INSIGNIS.

Limnocoris insignis, *Stal, Rio Jan. Hem.* 83.

Rio Janeiro.

7. NAUCORIS MINUSCULUS.

minusculus, *Walt. Zool.* 2nd Ser. 2360.

Wady Ferran. Tor.

8. NAUCORIS NEPOIDES.

Naucoris nepoides, *Fabr. Syst. Rhyn.* 111.

Guinea.

9. NAUCORIS HUMERALIS.

humeralis, *Sgt. A. S. E. F. 3me Sér.* viii. 960—*Ilyocoris humeralis*, *Stal, Hem. Afr.* iii. 175.

Madagascar.

10. NAUCORIS PARVULUS.

parvulus, *Sgt. A. S. E. F. 3me Sér.* viii. 970. *Stal, Hem. Afr.* iii. 176.

Madagascar.

11. NAUCORIS SPURCUS.

spureus, *Stal, Ofv. K. V. Ak. Fork.* 1856, 197—*Laccocoris spurcus*, *Stal, Hem. Afr.* iii. 177.

Cape.

12. NAUCORIS LIMICOLA.

limicola, *Stal, Ofv. K. V. Ak. Fork.* xii. 46—*Laccocoris limicola*, *Stal, Hem. Afr.* iii. 178.

Natal.

13. NAUCORIS LIMIGENUS.

Laccocoris limigenus, *Stal, Hem. Afr.* iii. 178.

Natal.

14. NAUCORIS OBSCURIPENNIS.

obscuripennis, *Stal, Ofv. K. V. Ak. Forh.* xi. 239; *Eug. Ross*, 266.
Philippine Isles.

15. NAUCORIS SCUTELLARIS.

scutellaris, *Stal, Eug. Ross*, 266.
Java.

Div. 2.

Cryphocerius, *Sgt. Rev. Zool.* 1850, 289. *Mayr, Novara Hem.* 182.

16. NAUCORIS BAROZZII.

Cryphocerius Barozzii, *Sgt. Rev. Zool.* 1850, 291, pl. 4, f. 10. *Mayr*,
Novara Hem. 182.
Brazil.

Genus 7. MACROCORIS.

Macrocoris, *Sgt. A. S. E. F. 3me Sér.* viii. 970. *Stal, Hem. Afr.* iii.
176.

1. MACROCORIS FLAVICOLLIS.

flavicollis, *Sgt. A. S. E. F. 3me Sér.* viii. 970. *Stal, Hem. Afr.* iii. 176.
Zanzibar. Madagascar.

Genus 8. APHELOCHIRA.

Aphelochira, *Westw. Mag. Nat. Hist.* vi. 133. *Dougl. and Scott, Hem.* 577
—*Aphelocheirus*, *Fieb. Gen. Hydr.* 4; *Eur. Hem.* 32, 103.

1. APHELOCHIRA FESTIVALIS.

Naucoris festivalis, *Fabr. Syst. Rhyn.* 111. *Coq. Ill.* pl. 10, f. 4—*Aphelo-*
cheirus festivalis, *Westw. Mag. Nat. Hist.* vi. 228. *Dougl. and Scott*,
Hem. 576—*Aphelochira festivalis*, *Fieb. Gen. Hydr.* 15, pl. 1; *Eur.*
Hem. 103.

c. England.

Fam. 2. NEPIDÆ.

Nepidæ, *Serv. Hist. Hem.* 437—*Nepida*, *Stal, Hem. Afr.* iii. 185—*Nepina*,
Stal, Ofv. K. V. Ak. Forh. xxvii. 106—*Nepina*, *Ranatridæ* and
Nepidæ, *Dougl. and Scott, Hem.* 45—47

A. Body oblong, or slightly elongated.

a. Suture of the clavus almost obliterated. Membrane
rudimentary. - - - - - TELMATOTREPHÆ.

b. Suture of the clavus distinct. Membrane complete.

- * Prothorax longer than broad. Fore tibiæ shorter by half than the fore femora. - - - - CURICTA.
- ** Prothorax equally long and broad, or shorter than broad. Fore tibiæ a little shorter than the fore femora.
- † Prothorax hardly or very slightly sinuated at the base. NEPA.
- †† Prothorax distinctly sinuated at the base.
- ‡ Abdomen with short apical appendages. - BORBOROPHILUS.
- ‡‡ Abdomen with very long apical appendages. - LACCOTREPES.
- B. Body slender, very long.
- a. Fore coxæ very long. - - - - RANATRA.
- b. Fore coxæ short. - - - - CERCOTMETUS.

Genus 1. NEPA.

Nepa, Linn. *Faun. Suec.* 906. *Fabr. Syst. Rhyn. Burm. Handb. Ent.* ii. 195. *Serv. Hist. Hem.* 437. *Fieb. Eur. Hem.* 101. *Dougl. and Scott, Hem.* 583.

Europe.

1. NEPA CINEREA.

———, *Stoll, Pun.* ii. pl. 1, f. 2. *Geoffr. Ins.* i. 481, pl. 1. *Deg. Ins.* iii. 361, pl. 18, f. 1—13—*Nepa cinerea*, Linn. *Syst. Nat.* i. 2, 714; *Faun. Suec.* 906. *Fabr. Ent. Syst.* iv. 63; *Syst. Rhyn.* 107. *Tign. Hist. Nat. Ins.* iv. 249, pl. 5, f. 6. *Latr. Hist. Nat. Ins.* xii. 284, pl. 95, f. 8; *Gen.* iii. 148. *Oliv. Enc.* viii. 190, pl. 374, f. 12. *Fall. Hem. Suec.* 170. *Burm. Handb. Ent.* ii. 196. *Brull. Hist. Nat. Ins.* ix. 265. *Blanch. Hist. Nat. Ins.* iii. 90. *Serv. Hist. Hem.* 440. *Fieb. Eur. Hem.* 102. *Dougl. and Scott, Hem.* 584.

a—l. England.

m, n. France.

o. Spain. Presented by Major Parry.

p. Malaga. Presented by H. Woodward, Esq.

q, r. Amurland. From Mr. Higgins' collection.

Div. 2.

Laccotrepes, *Stal, Hem. Afr.* iii. 186.

2. NEPA FABRICII.

Nepa grossa, *Fabr. Syst. Rhyn.* 107—*Laccotrepes grossus*, *Stal, Hem. Afr.* iii. 186—*Laccotrepes Fabricii*, *Stal, Hem. Fabr.* iii. 186.

Guinea.

3. NEPA GROSSA.

grossa, *Fabr. Ent. Syst.* iv. 62; *Syst. Rhyn.* 107. *Oliv. Enc.* viii. 189. *Serv. Hist. Hem.* 440. *H.-Sch. Wanz. Ins.* ix. 29—*Laccotrepes grossus*, *Stal, Hem. Afr.* iii. 186.

Senegal.

4. NEPA FUSCA.

fusca, Linn. *Syst. Nat.* ii. 713. *Mus. Lud. Ulr.* 166. *Fabr. Syst. Rhyn.* 107.

5. NEPA ATRA.

Nepa atra, Linn. *Syst. Nat.* ed. 12, i. 2, 713—*Nepa nigra*, *Fabr. Syst. Rhyn.* 107—*Laccotrephes ater*, *Stal, Hem. Afr.* iii. 188—*Laccotrephes niger*, *Stal, Hem. Fabr.* i. 135.

Guinea. Senegal.

6. NEPA MACULATA.

Nepa maculata, *Fabr. Syst. Ent.* 692; *Sp. Ins.* ii. 334; *Mant. Ins.* ii. 277; *Ent. Syst.* iv. 63; *Syst. Rhyn.* 108—*Nepa grisea*, *Guér. Ic. Règne An. Ins.* 352, pl. 57, f. 7—*Laccotrephes maculatus*, *Stal, Hem. Fabr.* i. 135.

Hindustan.

7. NEPA VICINA.

Nepa vicina, *Sgnt, Maill. Ile Réunion. Ins.* 29—*Laccotrephes vicinus*, *Stal, Hem. Afr.* iii. 187.

Bombon.

8. NEPA ANNULIPES.

Nepa annulipes, *De Lap. Silb. Rev. Ent.* i. 34—*Laccotrephes annulipes*, *Stal, Hem. Afr.* iii. 187.

Mauritius.

9. NEPA LIMOSA.

Laccotrephes limosus, *Stal, Hem. Afr.* iii. 188.

Senegal.

10. NEPA RUBRA.

Nepa rubra, Linn. *Syst. Nat.* i. 2, 713; *Mus. Lud. Ulr.* 165. *Fabr. Mant. Ins.* ii. 277; *Ent. Syst.* iv. 62; *Syst. Rhyn.* 107. *Oliv. Enc.* viii. 189. *Burm. Handb. Ent.* ii. 196. *Blanch. Hist. Nat. Ins.* iii. 91. *Serv. Hist. Hem.* 440. *H.-Sch. Wanz. Ins.* ix. 29. *Mayr, Novara Hem.* 188—*Nepa grossa*, *Fabr. Ent. Syst.* iv. 62—*Laccotrephes ruber*, *Stal, Hem. Fabr.* i. 135—*Nepa flavescens*, *Dohrn, Stett. Ent. Zeit.* 1860, 409.

Tranquebar. Sidney.

a. Africa.

b. Abyssinia. Presented by the Secretary for Indian Affairs.

c. Natal. From M. Gueinzus' collection.

d. Corea. Presented by Capt. Sir E. Belcher.

e. Malacca. Presented by W. W. Saunders, Esq.

f. Siam. Presented by W. W. Saunders, Esq.

g. Celebes. From Madame Ida Pfeiffer's collection.

h. Philippine Isles.

i. Hong Kong. Presented by J. C. Bowring, Esq.

j. Hindostan. Presented by W. W. Saunders, Esq.

- k. Sarawak.** Presented by W. W. Saunders, Esq.
l. Java. Presented by W. W. Saunders, Esq.
m. Tondano. Presented by W. W. Saunders, Esq.
n. North Hindostan. From Dr. Hooker's collection.
o. Natal. From Mr. Stevens' collection.
p. South Africa. Presented by Sir A. Smith.
q. North China. From Mr. Fortune's collection.
r. North China. Presented by Mrs. Mason.
s. West Africa. Presented by A. Dolce, Esq.
t. Madagascar. From Madame Ida Pfeiffer's collection.
u. China.
v. Tenasserim. Presented by J. C. D. V. Packman, Esq.
w. Amboina. From Mr. Wallace's collection.
x. Capa. From M. Dregé's collection.
y. Timor. Presented by W. W. Saunders, Esq.
z. Australia. Presented by the Haalar Hospital.
aa. Port Essington. From Mr. Gould's collection.
bb. Moreton Bay. From Mr. Diggles' collection.

11. NEPA ROBUSTA.

Laccotrephes robustus, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 706.
Philippine Isles.

12. NEPA TRISTIS.

tristis, *Stal, Ofv. K. V. Ak. Forh.* xi. 241; *Eug. Rosa*, 266.
Sydney.

Div. 3.

Telmatotrephea, *Stal, Ofv. K. V. Ak. Forh.* xi. 241; xiii. 66; *Hem. Afr.* iii. 185.

13. NEPA SCULPTICOLLIS.

Telmatotrephea sculpticollis, *Stal, Ofv. K. V. Ak. Forh.* xi. 241; xiii. 66.
Columbia.

Div. 4.

Borborophilus, *Stal, Hem. Afr.* iii. 185, 188.

14. NEPA AFZELII.

Nepa Afzelii, *Stal, Ofv. K. V. Ak. Forh.* xviii. 203—*Borborophilus Afzelii*,
Stal, Hem. Afr. iii. 188.
Sierra Leone.

Div. 5.

Borborophyes, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 706.

15. NEPA MAYRI.

Borborophyes Mayri, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 706.
Philippine Isles.

Genus 2. RANATRA.

Ranatra, Fabr. *Ent. Syst.* iv. 64. *Burm. Handb. Ent.* ii. 199. *Serv. Hist. Hem.* 441. *H.-Sch. Wanz. Ins.* ii. 29, pl. 42; viii. 21, pl. 255, f. F—K. *Fieb. Eur. Hem.* 102. *Stal, Hem. Afr.* iii. 189. *Dougl. and Scott, Hem.* 581.

1. RANATRA LINEARIS.

——, *Stoll, Pun.* 52, pl. 12, f. 7. *Geoffr. Ins.* i. 480, pl. 10, f. 1—*Nepa linearis*, *Linn. Syst. Nat.* i. 2, 714; *Faun. Suec.* 908. *Deg. Ins.* iii. 360, pl. 19, f. 1, 2. *Tign. Hist. Nat. Ins.* iv. 247, pl. 5, f. 5—*Ranatra linearis*, *Fabr. Syst. Rhyn.* 109. *Latr. Hist. Nat. Ins.* xii. 282, pl. 96, f. 4; *Gen.* iii. 149. *Panz. Faun. Germ.* 95, 15. *Schill. Ins.* pl. 13, f. 1. *Curt. Brit. Ent.* pl. 281. *St. Farg. et Serv. Enc.* x. 267 (*Nepa*) pl. 22, f. 1—10; pl. 374, f. 16—29. *Burm. Handb. Ent.* ii. 199. *H.-Sch. Wanz. Ins.* x. 31, pl. 290. *Brull. Hist. Nat. Ins.* ix. 263. *Blanch. Hist. Nat. Ins.* iii. 90. *Hem.* pl. 1, f. 3. *Serv. Hist. Hem.* 413. *Fieb. Eur. Hem.* 102. *Flor. Rhyn. Liv.* i. 765. *Dougl. and Scott, Hem.* 582.

a—g England.

h. France.

i. Hungary.

j—n. Bagdad. Presented by W. K. Loftus, Esq.

North America.

2. RANATRA FUSCA.

fusca, *Pal. Beauv. Ins. Hem.*

a, b. St. John's Bluff, E. Florida. Presented by E. Doubleday, Esq.

c—g. Connecticut. Presented by F. Walker, Esq.

h. Orizaba. From M. Salle's collection.

i. Oajaca. From M. Sallé's collection.

j. Mexico. Presented by E. P. Coffin, Esq.

3. RANATRA NIGRA.

nigra, *H.-Sch. Wanz. Ins.* ix. 32, pl. 290, f. 1.

North America.

Mexico.

4. RANATRA QUADRIDENTATA.

quadridentata, *Stal, Ofv. K. V. Ak. Forh.* xviii. 204.

Mexico.

West Indies.

5. RANATRA FABRICII.

Fabricii, *Guér. Sagra, Hist. Cuba, Ins.* 421.

Cuba.

1. *Corixa coarctata*.

Sigara coarctata, Fabr. *Ann. Mus.* 330. *Sp. Inc.* ii. 332; *Ent. Syst.* ii. 33. *Sp. Inc.* iii. 33. *Penn. Faun. Germ.* 30—*Corixa coarctata*, *Ann. Mus.* v. 133. *Figs. Mus. Soc. Inc.* n. 243. *Burm. Handb.* *Mus.* i. 183. *Fish. Mus. Soc.* 213. *Schub. Gew. Fern.* 14. *H. Sch.* *Wurm. Ann.* ix. 33, pl. 335, f. 355—*Corixa coarctata*, *Serv. Hist. Mus.* viii. pl. 2, f. 6. *Fish. Sp.* 31. *Sp. Cor.* 51, pl. 2, f. 29. *Er.* *Mus.* 33—*Corixa (Cymatium) coarctata*, *Fish. Rhyn.* *Lin.* i. 800—*Corixa coarctata*, *Dougl. and Scott, Hem.* 614.

a—c. England. From Mr. Stephens' collection.

f—c. England.

2. *Corixa Bonasusensis*.

Corixa Bonasusensis, *Schub.* *Nat. Faun.* 13—*Corixa Bonasusensis*, *Fish. Mus.* *Soc.* i. 183. *H. Sch.* *Wurm. Ann.* ix. 33, pl. 337, f. 316, 317—*Corixa Bonasusensis*, *Fish. Mus. Soc.* 213—*Corixa (Cymatium) Bonasusensis*, *Fish. Rhyn.* *Lin.* i. 800—*Cymatium Bonasusensis*, *Dougl. and Scott, Hem.* 614. *Europe.*

3. *Corixa Gossleri*.

———, *Goss.* *Ann.* i. 430, pl. 2, f. 7. *Reuss. Inc.* iii. pl. 29—*Corixa Gossleri*, *Leach. Penn. Lin.* *Soc.* xii. 17. *Reuss. Penn. Arch.* ii. 130—*Sigara striata*, *Penn. Faun. Germ.* 50, 23—*Corixa striata*, *Fish. Mus. Soc.* 131. *L. Dougl. Fish. Hem.* 61. *Dougl. and Scott, Hem.* 333—*Corixa punctata*, *Burm. Handb. Ent.* ii. 183—*Corixa Gossleri*, *Serv. Hist. Mus.* 447. *Fish. Bur. Hem.* 91.

a—f. England. From Mr. Stephens' collection.

g—c. England.

4. *Corixa xanthosoma*.

Corixa hirsutipennis, *Spin. Ent. Hem.* 56—*Corixa xanthosoma*, *Fish. Sp.* *Sp. 2: Sp. Cor.* 2, pl. 1, f. 2; *Bur. Hem.* 91. *South Europe.*

5. *Corixa platychneis*.

platychneis, *Fish. Sp. Cor.* 6, pl. 1, f. 6; *Bur. Hem.* 91. *South Europe.*

6. *Corixa macrocephala*.

Corixa macrocephala, *Fish. Syn.* 5; *Spec. Cor.* 5, pl. 1, f. 4; *Bur. Hem.* 91. *Sicily.*

7. *Corixa Panzeri*.

Sigara striata, *Panz. Faun. Germ.* 50, 23—*Corixa striata*, *Fish. Sp.* 3; *Spec. Cor.* 3, pl. 1, f. 3—*Corixa Panzeri*, *Fish. Bur. Hem.* 93—*Corixa Panzeri*, *Dougl. and Scott, Hem.* 594. *Europe.*

8. CORIXA ATOMARIA.

Corixa atomaria, Illig — *Corisa atomaria*, Fieb. Syn. 4; Spec. Cor. 4, pl. 1, f. 6; Eur. Hem. 92 — *Corixa affinis*, Leach, Trans. Linn. Soc. xii. 18. Dougl. and Scott, Hem. 595.

Europe.

9. CORIXA LUGUBRIS.

Corisa lugubria, Fieb. Syn. 6; Spec. Cor. 18, 10, pl. 1, f. 10; Eur. Hem. 92. Dougl. and Scott, Hem. 596.

England. Germany.

10. CORIXA MAYRI.

Mayri, Fieb. Eur. Hem. 92.

Italy.

11. CORIXA SELECTA.

Corixa selecta, Fieb. Syn. 7; Spec. Cor. 22, pl. 1, f. 19; Eur. Hem. 93.

Austria. Portugal.

12. CORIXA APICALIS.

Corisa apicalis, Pict. Mey. Fieb. Eur. Hem. 93.

Spain.

13. CORIXA HIEROGLYPHICA.

hieroglyphica, L.-Duf. Hem. 86, f. 85—87. Fieb. Syn. 8. Costa, Cim. Regni Neap. Cent. ii. pl. 2, f. 2. H.-Sch. Wanz. ix. 59, pl. 297, f. 921. Dougl. and Scott, Hem. 598 — *Corisa hieroglyphica*, Fieb. Eur. Hem. 93.

Europe.

a, b. England. Presented by J. C. Dale, Esq.

14. CORIXA MELANOSOMA.

Corisa melanosoma, Fieb. Syn. 9; Spec. Cor. 20, pl. 1, f. 21; Eur. Hem. 94. Mayr, Novara Hem. 193.

Italy. Madeira.

15. CORIXA HELLENSI.

Corixa Hellensi, Sahlb. Not. Fenn. 11. Fall. Hem. Suec. 183. Fieb. Syn. 13; Spec. Cor. 27, pl. 2, f. 6 — *Corisa Hellensi*, Fieb. Eur. Hem. 94.

North Europe.

16. CORIXA SAHLBERGI.

———, Stoll, Pan. pl. 15, f. 13 B; pl. 32, f. 15 C — *Corixa striata*, Sahlb. Not. Fenn. 9 — *Corisa Sahlbergi*, Fieb. Syn. 10; Spec. Cor. 24, pl. 2, f. 3; Eur. Hem. 94 — *Corixa regulata*, H.-Sch. Wanz. Ins. f. 910 — *Corixa Sahlbergi*, Dougl. and Scott, Hem. 600.

Europe.

17. *CORIXA STALL*.

Corixa Stall, *Fish. Fish. Zool. Bot. Ges. Wien.* 1885—*Corixa* Stall, *Dougl. and Scott, Hem.* 367.

England.

18. *CORIXA LINNÆI*.

Corixa Linnæi, *Fish. Syn.* 11; *Spec. Cor.* 23, pl. 2, f. 4; *Eur. Hem.* 94; *Fish. Mypa. Lin.* i. 794—*Corixa* Linnæi, *Dougl. and Scott, Hem.* 601.

North Europe.

19. *CORIXA TRANSVERSA*.

Corixa transversa, *Mag. Fish. Syn.* 12; *Spec. Cor.* pl. 2, f. 5; *Eur. Hem.* 95.

Germany.

20. *CORIXA LIMITATA*.

Sigma undulata, *Var. 3, Foll. Hydr.* 7—*Corixa fuscarum*, *β? Fall. Hem. Soc.* 183?—*Corixa stagnalis*, *Leach, Trans. Linn. Soc.* xii. 17—*C. stricta*, *Zett. Ins. Lapp.* 224—*Corixa limitata*, *Fieb. Syn.* 25; *Spec. Cor.* 43, pl. 2, f. 20; *Eur. Hem.* 95.

Europe.

21. *CORIXA SEMISTRIATA*.

Corixa stricta, *Zett. Ins. Lapp. Var. a.*—*Corixa semistriata*, *Fieb. Syn.* 26; *Spec. Cor.* 43, pl. 2, f. 21; *Eur. Hem.* 95—*Corixa undulata*, *Cott, H.-Sch. Wanz. Ins.* ix. 57, pl. 297, f. 919—*Corixa semistriata*, *Dougl. and Scott, Hem.* 602.

Europe.

22. *CORIXA PRÆUSTA*.

Corixa præusta, *Fieb. Syn.* 15; *Spec. Cor.* 30, pl. 1, f. 1; *Eur. Hem.* 95.

North Europe.

23. *CORIXA CONCIENNA*.

Corixa concinna, *Fieb. Syn.* 15; *Spec. Cor.* 31, pl. 2, f. 9; *Eur. Hem.* 96—*Corixa concinna*, *Dougl. and Scott, Hem.* 604.

England. Germany.

24. *CORIXA GEBLERI*.

Corixa Gebleri, *Kolenati, MSS. Fieb. Syn.* 16; *Spec. Cor.* 32, pl. 2, f. 10; *Eur. Hem.* 96.

Russia.

25. *CORIXA NIGROLINEATA*.

Corixa nigrolineata, *Fieb. Syn.* 24; *Spec. Cor.* 40, pl. 2, f. 18; *Eur. Hem.* 96—*Corixa lineolata*, *H.-Sch. Wanz. Ins.* ix. 55, pl. 296, f. 911—

Corixa lateralis? Leach—*Corixa nigrolineata*, Dougl. and Scott, Hem. 605.

a—f. England. From Mr. Stephens' collection.

g—i. England.

26. CORIXA PARALLELA.

Corisa parallela, Fieb. Eur. Hem. 96.

Greece.

27. CORIXA ASSIMILIS.

Corisa assimilis, Fieb. Syn. 20; Spec. Cor. 36, pl. 2, f. 14; Eur. Hem. 97.

Austria?

28. CORIXA STRIATA.

———, Stoll, Pun. 65, pl. 15, f. 13—*Notonecta striata*, Linn. Syst. Nat. i. 2, 712; Faun. Suec. 904—*Nepa striata*, Deg. Ins. iii. 389, pl. 20, f. 1—17. Tign. Hist. Nat. Ins. iv. 242, pl. 5, f. 4—*Corixa striata*, Leach, Trans. Linn. Soc. xii. 163. Burm. Handb. Ent. ii. 187. Spin. Hem. 97. Ramb. Faun. And. ii. 193. Dougl. and Scott, Hem. 606—*Corisa striata*, Serv. Hist. Hem. 447. Fieb. Eur. Hem. 97—*Corisa basalis*, Costa, H.-Sch. Wanz. Ins. ix. 61, pl. 297, f. 918.

a—e. England. From Mr. Stephens' collection.

f—o. England.

29. CORIXA FALLENI.

Corixa undulata? Fall. Hem. Succ. 18—*Corisa Falleni*, Fieb. Syn. 18; Spec. Cor. 34, pl. 2, f. 12; Eur. Hem. 97—*Corixa Falleni*, Dougl. and Scott, Hem. 607.

England. Germany.

30. CORIXA DISTINCTA.

Corisa distincta, Fieb. Syn. 19. Bull. Mosc. 1848; Spec. Cor. 35, pl. 2, f. 13; Eur. Hem. 97—*Corisa Fieberi*, Kolenati, Mel. Ent. 1857, vi. 280—*Corixa distincta*, Dougl. and Scott, Hem. 608.

North and Middle Europe.

31. CORIXA MÆSTA.

Corisa mæsta, Fieb. Syn. 23; Spec. Cor. 39, pl. 2, f. 17; Eur. Hem. 96—*Corisa mæsta*, Dougl. and Scott, Hem. 610.

a. England. Presented by J. C. Dale, Esq.

b, c. England.

32. CORIXA FABRICI.

Corisa abdominalis, Fieb. Syn. 22. Bull. Mosc. 1848—*Corisa Fabrici*, Fieb. Spec. Cor. 38, pl. 2, f. 16; Eur. Hem. 98.

Germany. Sweden. Russia.

33. CORIXA FOSSARUM.

Corixa fossarum, Leach, Linn. Trans. xii. 17. Fall. Hem. Succ. 182. Dougl. and Scott, Hem. 611—*Corisa fossarum*, H.-Sch. Wenz. Im. ix. 55, pl. 295, f. 908. Fieb. Syn. 21; Spec. Cor. 37, pl. 2, f. 15; Eur. Hem. 98.

a—l. England. From Mr. Stephens' collection.

m—p. England.

34. CORIXA CARINATA.

Corixa carinata, Sahlb. Not. Fenn. 12; Fall. Hem. Succ. 18—*Corim carinata*, Fieb. Syn. 28; Spec. Cor. 47, pl. 2, f. 24; Eur. Hem. 99.

North Europe.

35. CORIXA DOHRNI.

Corisa Dohrni, Fieb. Syn. 27; Spec. Cor. 46, pl. 2, f. 25; Eur. Hem. 99. Germany. Dalmatia.

36. CORIXA PROPINQUA.

Corisa propinqua, Fieb. Eur. Hem. 99.

Austria.

37. CORIXA COGNATA.

cognata, Fieb. Eur. Hem. 99.

Swiss Alps.

38. CORIXA GERMARI.

Corisa Germari, Fieb. Syn. 29; Spec. Cor. 48, pl. 2, f. 26; Eur. Hem. 99. Saxony.

39. CORIXA COSTALIS.

Corisa costalis, Fieb. Wien. Ent. Mon. viii. 207.

Germany.

[40. CORIXA FUSSI.

Corisa Fussi, Fieb. Wien. Ent. Mon. viii. 208.

Germany.

41. CORIXA ROGENHOFERI.

Corisa Rogenhoferi, Fieb. Wien. Ent. Mon. viii. 208.

Austria.

42. CORIXA SCOTTI.

Scotti, *Fieb. MSS. Dougl. and Scott, Ent. M. Mag.* iv. 271.
Scotland.

43. CORIXA WOLLASTONI.

Wollastoni, *Dougl. and Scott, Hem.* 603; *Ent. M. Mag.* iv. 98.
England.

44. CORIXA DECORA.

decora, *Dougl. and Scott, Ent. M. Mag.* v. 265.
Scotland.

45. CORIXA VENUSTA.

venusta, *Dougl. and Scott, Ent. M. Mag.* v. 265.
Scotland.

46. CORIXA DUBIA.

dubia, *Fieb. Dougl. and Scott, Ent. M. Mag.* v. 266.
Scotland.

47. CORIXA PERPLEXA.

perplexa, *Dougl. and Scott, Ent. M. Mag.* v. 267.
Scotland.

48. CORIXA BOREALIS.

borealis, *Dougl. and Scott, Ent. M. Mag.* v. 293.
Shetland.

49. CORIXA WHITEI.

Whitei, *Dougl. and Scott, Ent. M. Mag.* v. 294.
Scotland.

50. CORIXA SHARPI.

Sharpi, *Dougl. and Scott, Ent. M. Mag.* v. 295.
Scotland?

51. CORIXA INTRICATA.

intricata, *Dougl. and Scott, Ent. M. Mag.* v. 295.
Scotland.

52. CORIXA CASTANEA.

Corisa castanea, *Thoms. Opusc. Ent.* i. 2, 30.
Sweden.

53. *CORIXA SALINA*.

Corixa salina. Thoms. Opusc. Ent. i 2, 29—Pamuel? Fish.
Swedish.

Notes.—According to Thomson *C. Gossioyi*, Fish.=*C. stricta*, Fall.;
C. Sahlbergi, Fish.=*C. undulata*, Fall.; *C. stricta*, Fish.=*C. foveata*,
Vier. & Fall.; *C. Gossioyi*, Fish.=*C. dentipes*, Thoms.; *C. curvata*, Fish.
=*C. arcuata*, Thoms.

54. *CORIXA LEVIA*.

Corixa levia. Thoms. Opusc. Ent. i 2, 31.
Swedish.

55. *CORIXA PUNCTICOLA*.

Corixa puncticola. Thoms. Opusc. Ent. i 2, 33.
Swedish.

56. *CORIXA GLAUCA*.

glauca. Gerdhultsi. Berl. Soc. Ent. Ind. i 279—significata, Fish.
Swedish.

57. *CORIXA DOUGLASSI*.

Douglassi. Fish. MSS. Longi and Scott, Hen. 612.
English.

58. *CORIXA LEVITERMIS*.

levitermis. Seidl. Ver. Fenn. 274.
Czech.

59. *CORIXA PALLIDULA*.

pallidula. Seidl. Ver. Fenn. 275.
Czech.

60. *CORIXA SALINA* (bis lectum).

salina. Thoms. Proc. Nova. 124: Mich. Scher. Ent. iii. 424.
Czech.

61. *CORIXA PELLITA*.

pellita. Heyden. Fec. Ins. Rhen. Brandenburg. 10, pl. 1, f. 13.
French.

North America.

62. *CORIXA WALLENGRENI*.

Wallengreni, *Stal, Eug. Resa*, 268.

California.

63. *CORIXA DECOLOR*.

decolor, *Pack. Amer. Journ. Sci.* 1871.

California.

64. *CORIXA KENNICOTTII*.

Corisa Kennicottii, *Uhler*.

a—d. Illinois. Presented by F. Walker, Esq.

65. *CORIXA ANNEXA*.

Corisa annexa, *Uhler*.

a—c. North Red River. Presented by F. Walker, Esq.

d, e. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

f, g. On the Saskatchewan. Presented by M. Bourgeau.

Mexico.

66. *CORIXA BIMACULATA*.

bimaculata, *Guér. Icon. R. An. Ins.* 354.

a—f. Oajaca. From M. Sallé's collection.

West Indies.

67. *CORIXA NIGRIPENNIS*.

Sigara nigripennis, *Fabr. Syst. Rhyn.* 105—*Corixa nigripennis*, *Stal, Hem. Fabr.* i. 138.

West Indies.

68. *CORIXA IRRORATA*.

irrorata, *Sturm. H.-Sch. Wanz. Ins.* ix. 60.

Isle Barthelemy.

69. *CORIXA CUBÆ*.

Corisa Cubæ, *Fieb. Sp. Cor.* 42. *H.-Sch. Wanz. Ins. Alph. Syn.* 68. *Guér. Icon. R. An. Ins.* 353, pl. 57, f. 9; *Sagra, Hist. Cuba, Ins.* 353.

Cuba.

70. *CORIXA RETICULATA*.

Corisa reticulata, *Guér. Sagra, Hist. Cuba, Ins.* 423.

Cuba.

71. CORIXA PYGMÆA.

Corisa pygmæa, *Fieb. Sp. Cor.* 24. *H.-Sch. Ind. Alph. Syn.* 70.
Cuba.

Asia.

72. CORIXA OVIVORA.

ovivora, *Westw. Proc. Ent. Soc. Lond.* iv. (1871).
Canara.

73. CORIXA HYALIPENNIS.

Sigara hyalipennis, *Fabr. Syst. Rhyn.* 105—*Corisa hyalipennis*, *Fieb. Sp. Gen. Coris.* 39—*Corixa hyalipennis*, *Stal, Hem. Fabr.* i. 138.
Sumatra.

Genus 2. SIGARA.

Sigara, *Fabr. Syst. Rhyn.* 104. *Burm. Handb. Ent.* ii. 188. *Serv. Hist. Hem.* 448. *Fieb. Eur. Hem.* 31, 89. *Dougl. and Scott, Hem.* 615.
Stal, Hem. Afr. iii. 193.

1. SIGARA MINUTISSIMA.

Notonecta minutissima, *Linn. Syst. Nat.* i. 2, 713; *Faun. Suec.* 905. *De Lap. Hem.* 20—*Sigara minuta*, *Fabr. Syst. Rhyn.* 105. *Leach, Trans. Linn. Soc.* xii. 14. *Coq. Ill. Icon.* pl. 10, f. 3. *Burm. Handb. Ent.* ii. 188. *H.-Sch. Wanz. Ins.* ix. 46, pl. 296, f. 907. *Fieb. E. Mon.* 13, pl. 1, f. 11—*Corixa minutissima*, *H.-Sch. Nom. Ent.* i. 63—*Sigara minutissima*, *Fieb. Eur. Hem.* 89. *Dougl. and Scott, Hem.* 616.

a—c. England. From Mr. Stephens' collection.
d—i. England.

2. SIGARA LEUCOCEPHALA.

leucocephala, *Spin. Ess. Hem.* 59. *Serv. Hist. Hem.* 448; *Fieb. E. Mon.* 14; *Eur. Hem.* 89.

South Europe.

3. SIGARA LEMANA.

lemanana, *Mey. Cat. Rh. Schweiz.* *Fieb. Eur. Hem.* 89.
Switzerland. Bohemia.

4. SIGARA SCHOLTZI.

Scholtzi, *Fieb. Gen. Hydr.* 30; *Eur. Hem.* 90. *Scholtz, Arb. Ver.* 1846, 2.

Silesia. Spain.

5. *SIGABA POWERI*.

Poweri, *Dougl. and Scott, Ent. M. Mag.* v. 296.
England.

6. *SIGABA FUSCATA*.

fuscata, *Stal, Eug. Resa*, 268.
Monte Video.

7. *SIGABA SCUTELLARIS*.

scutellaris, *Stal, Ofv. K. V. Ak. Forh.* xv. 319; *Hem. Afr.* iii. 193.
South Africa.

8. *SIGABA SULCATA*.

sulcata, *Sgnt. A. S. E. F. 3me Sér.* viii. 971. *Stal, Hem. Afr.* iii. 193.
Madagascar.

Div. 2.

Nychia, *Stal, Eug. Resa*, 268.

9. *SIGABA LIMPIDA*.

Nychia limpida, *Stal, Eug. Resa*, 269.
Wampoa, China.

Fam. 2. NOTONECTIDÆ.

Notonectidæ, *Serv. Hist. Hem.* 449—*Notonectici*, *Burm.*—*Notonectida*
and *Pleida*, *Stal, Hem. Afr.* iii. 190, 192—*Notonectidea*, *Notonectæ*
and *Pleæ*, *Fieb. Eur. Hem.* 22—*Notonectica*, *Flor.*—*Notonectina*,
Notonectidæ and *Pleidæ*, *Dougl. and Scott, Hem.* 48.

- | | | |
|--|---|---------------|
| A. Rostrum two-jointed. Antennæ three-jointed. | - | 1. PLEA. |
| B. Rostrum four-jointed. Antennæ four-jointed. | | |
| a. Prothorax with a large impression in the fore angles. | - | 2. ENITHARKS. |
| b. Prothorax with no impression on the fore angles. | | |
| * Fourth joint of the antennæ shorter than the third. | - | 3. NOTONECTA. |
| ** Fourth joint of the antennæ longer than the third. | - | 4. ANISOPE. |

Genus 1. PLEA.

Plea, *Leach, Trans. Lin. Soc.* xii. 14. *Fieb. Eur. Hem.* 31, 101. *Dougl.*
and Scott, Hem. 591—*Plea*, *Steph. Burm. Handb. Ent.* ii. 189.
Serv. Hist. Hem. 449. *Fieb. Ent. Mon.* 17, 1.

Europe.

1. *PLEA MINUTISSIMA*.

———, *Geoffr. Ins.* i. 477—*Notonecta minutissima*, *Fabr. Ent.*
Syst. iv. 59; *Syst. Rhyn.* 104. *Panz. Faun. Germ.* 2, 12. *Oliv. Enc.*

viii. 389. *Tign. Hist. Nat. Ins.* iv. 258. *Latr. Gen.* iii. 150—*Plea minutissima*, *Steph. Cat.* 2, 354. *Burm. Handb. Ent.* ii. 189. *Brull. Hist. Nat. Ins.* ix. 256. *Blanch. Hist. Nat. Ins.* iii. 89. *Serv. Hist. Hem.* 449. *H.-Sch. Wanz. Ins.* ix. 45—*Plea minutissima*, *Loch. Trans. Lin. Soc.* xii. 14. *Fieb. Eur. Hem.* 101. *Dougl. and Scott, Hem.* 591.

a—e. England. From Mr. Stephens' collection.

f—i. England.

Africa.

2. PLEA PULLULA.

Plea pullula, *Stal, Ofv. K. V. Ak. Fork.* xii. 89—*Plea pullula*, *Stal, Hem. Afr.* iii. 192.

Natal.

Eastern Isles.

3. PLEA SOBRINA.

sobrina, *Stal, Eug. Besa*, 268.

Manilla.

4. PLEA FRONTALIS.

frontalis, *Fieb. Ent. Mon.* 18. *Mayr, Novara Hem.* 194.

Nicobar Isles.

Div. 2.

Helotrephes, *Stal, Eug. Resa*, 267.

5. PLEA SEMIGLOBOSA.

Helotrephes semiglobosus, *Stal, Eug. Resa*, 268.

Wampoa, China.

Genus 2. NOTONECTA.

Notonecta, *Linn. Syst. Nat.* 2, 712. *Fabr. Syst. Rhyn.* 102. *Latr. Gen.* iii. 150. *Burm. Handb. Ent.* ii. 190. *Serv. Hist. Hem.* 450. *Fieb. Eur. Hem.* 31. *Dougl. and Scott, Hem.* 585.

1. NOTONECTA GLAUCA.

———, *Stoll, Pun.* 54, pl. 12, f. 10. *Geoffr.* i. 476, pl. 9, f. 6—*Nepa notonecta*, *Deg. Ins.* iii. 382, pl. 18, f. 16, 17—*Notonecta glauca*, *Linn. Syst. Nat.* i. 2, 712; *Faun. Suec.* 903. *Fabr. Ent. Syst.* iv. 67; *Syst. Rhyn.* 102. *Panz. Faun. Germ.* 3, 20. *Oliv. Enc.* viii. 380, pl. 374, f. 31. *Tign. Hist. Nat. Ins.* iv. 236, pl. 5, f. 3. *Latr. Hist. Nat. Ins.* xii. 291, pl. 97, f. 41; *Gen.* iii. 150. *L.-Duf. Rech. Hem.* 88. *Burm. Handb. Ent.* ii. 190. *Brull. Hist. Nat. Ins.* ix. 255. *Blanch. Hist. Nat. Ins.* iii. 88. *Hem.* pl. 1, f. 2. *Serv. Hist. Hem.* 452. *Flor, Rhyn. Liv.* i. 772. *Dougl. and Scott, Hem.* 587—

Notonecta furcata, *Fabr. Ent. Syst.* iv. 58; *Syst. Rhyn.* 102. *Leach, Trans. Linn. Soc.* xii. 12. *Fall. Hem. Suec.* 178—*Notonecta Fabrici*, p., *Fieb. Rhynchot.* 49; *Eur. Hem.* 101—*Notonecta marinorea*, *Fabr. Syst. Rhyn.* 103.

a—i. England.

j. England. Presented by J. C. Dale, Esq.

k—n. Europe. Presented by W. W. Saunders, Esq.

o, p. Amurland. From Mr. Higgins' collection.

2. NOTONECTA MACULATA.

maculata, *Fabr. Ent. Syst.* iv. 58; *Syst. Rhyn.* 103. *Leach, Trans. Lin. Soc.* xii. 12. *Curt. Brit. Ent.* i. pl. 10. *Dougl. and Scott, Hem.* 588 *lutea*? *Mull. Zool. Dan. Prodr.* 11. *Fall. Hem.* 179. *Fieb. Rhynchot.* 49; *Eur. Hem.* 100.

a. England. From Mr. Stephens' collection.

b—i. England.

3. NOTONECTA NANULA.

nanula, *Walk. Zool. 2nd Ser.* 2381.

Shoobra.

North America.

4. NOTONECTA AMERICANA.

Americana, *Fabr. Ent. Syst.* iv. 58, 4; *Syst. Rhyn.* 6. *H.-Sch. Wanz.* ix. 44, pl. 294, f. 902.

a—c. Mexico. Presented by W. W. Saunders, Esq.

5. NOTONECTA UNDULATA.

undulata, *Say, Descr. Hist. Hem.* 30.

Cuba?

a—i. North America. Presented by F. Walker, Esq.

j. ———?

Mexico.

6. NOTONECTA MEXICANA.

Mexicana, *Serv. Hist. Hem.* 453, pl. 8, f. 7. *H.-Sch. Wanz. Ins.* ix. 43, pl. 291, f. 903.

Mexico.

a—c. Oajaca. From M. Salle's collection.

d. Orizaba. From M. Salle's collection.

West Indies.

7. NOTONECTA VARIABILIS.

variabilis, *Fieb. Rhynch.* 53.

Cuba.

Australia.

8. NOTONECTA AUSTRALIS.

australis, *Stal, Ofv. K. V. Ak. Forh.* xii. 190.

a, b. Australia. From Mr. Damel's collection.

9. NOTONECTA PRIMÆVA.

primæva, *Heyden, Fos. Ins. Rhein. Braunkohl.* 11, pl. 2, f. 12.

Fossil.

Div. 2.

Enithares, *Spin. Ess. Hem.* 60. *Stal, Hem. Afr.* iii. 190—*Bothronotus*,
Fieb. Rhynchotogr. 46.

South America.

10. NOTONECTA GRANDIS.

Notonecta grandis, *Germ. H.-Sch. Wanz. Ins.* ix. 42, pl. 295, f. 901.

Brazil.

South Africa.

11. NOTONECTA BLANDULA.

Enithares blandula, *Sgnt. A. S. E. F. 3me Sér.* viii. 971. *Stal, Hem. Afr.*
iii. 191.

Madagascar.

12. NOTONECTA SOBRIA.

Notonecta sobria, *Stal, Ofv. K. V. Ak. Forh.* xii. 89—*Enithares sobria*
Stal, Hem. Afr. iii. 191.

Natal.

South Asia.

13. NOTONECTA SINICA.

Notonecta Sinica, *Stal, Ofv. K. V. Ak. Forh.* xi. 241—*Enithares Sinica*,
Stal, Eug. Resa, 267.

Wampoa, China. Philippine Isles?

a, b. Hong Kong. Presented by J. C. Bowring, Esq.

c. Hong Kong. From Mr. Harrington's collection.

d. Amoy. From Mr. Stevens' collection.

14. NOTONECTA INDICA.

Notonecta Indica, *Fabr. Syst. Rhyn.* 103—*Enithares Indica*, *Stal, Hem. Fabr.* i. 137.

Sumatra.

Genus 3. ANISOPS.

Anisops, *Spin. Ess. Hem.* 60. *Serv. Hem.* 453. *Ramb. Faun. And.* ii. 190. *H.-Sch. Wanz.* ix. 40. *Stal, Hem. Afr.* iii. 191.

1. ANISOPS NIVEUS.

Notonecta niven, *Fabr. Syst. Rhyn.* 103. *Oliv. Enc.* viii. 389. *Burm. Handb. Ent.* ii. 191. *Blanch. Hist. Nat. Ins.* iii. 89—*Anisops niveus*, *Spin. Hem.* 58. *Ramb. Faun. And.* ii. 190. *Serv. Hist. Hem.* 454—*Anisops productus?* *Fieb. Rh. Not.* 60. *Gen. Hydr.* pl. 3; *Eur. Hem.* 100.

Egypt. Hindostan.

s. South Europe.

2. ANISOPS MARSHALLI.

Antipalocoris (N. G.) *Marshalli*, *Scott, Ent. M. Mag.* viii. 244.

Corsica.

West Indies.

3. ANISOPS PALLIPES.

Notonecta pallipes, *Fabr. Syst. Rhyn.* 103—*Anisops platycnemis?* *Fieb.*—*Anisops pallipes*, *Stal, Hem. Fabr.* i. 137.

West Indies.

4. ANISOPS DOMINICANUS.

dominicanus, *H.-Sch. Wanz. Ins.* ix. 41, pl. 294, f. 905.

St. Domingo.

Africa.

5. ANISOPS PRODUCTUS.

productus, *Fieb. Rhynchot.* 60. *Stal, Hem. Afr.* iii. 191—*Natalensis*, *Stal, Ofv. K. V. Ak. Forh.* xii. 89.

Egypt. Gabon. Natal.

6. ANISOPS PERPULCHER.

perpulcher, *Stal, Ofv. K. V. Ak. Forh.* xii. 89; *Hem. Afr.* iii. 192.

Natal.

7. ANISOPS VITREUS.

vitreus, *Sgnt. A. S. E. F. 3me Sér.* viii. 972. *Stal, Hem. Afr.* iii. 192.

Madagascar.

8. ANISOPS APICALIS.

apicalis, *Stal, Ofv. K. V. Ak. Fork.* xii. 89; *Hem. Afr.* iii. 192.
Natal.

9. ANISOPS CILIATUS.

Notonecta ciliata, *Fabr. Ent. Syst. Suppl.* 524; *Syst. Rhyn.* 103—*Anisops*
hyalinus? *Fieb.*—*Anisops ciliata*, *Stal, Hem. Fabr.* i. 137.
Isle of France. Hindostan?

Australia.

10. ANISOPS AUSTRALIS.

Notonecta australis, *Stal, Ofv. K. V. Ak. Fork.* xii. 190—*Anisops australis*,
Stal, Eng. Res. 267.
Australia.

The limits assigned to this Catalogue require the omission of some corrections in nomenclature and of some new genera and species lately published.

ERRATA.

PART I.

Page 136.

ARMA COLORATA.

This name must be annulled; the species described is *Euthyrhynchus punicus*, p. 143.

PART II.

Page 252.

PROXYS DELIBATOR.

P. crenatus, p. 252.

P. hastator, p. 252.

Page 410.

For Fam. 13. UROSTYLIDÆ *read* Fam. 7. UROSTYLIDÆ.

PART IV.

Page 80.

For Prothorax rather slender *read* Antennæ rather slender.

Page 186.

For GONOCERUS INDICATOR *read* GONOCERUS INSIDIATOR.

PART VI.

Page 56.

For 27. LOPUS PARTILUS *read* 27. LOPUS PARTITUS.

PART VIII.

Page 35.

For Hem. Afr. *read* Hem. Fabr.

Page 38.

For 4. RHAPHIDOSOMA CARINATUM *read* 4. RHAPHIDOSOMA CARINATA.

Page 74.

Beharus rufipes is here recorded by error as a *Trichoscelis*.

Page 91.

For Genus 8. STHIENARA read Genus 8. STHIENERA.

Pages 95 and 96.

For Rhinoceris read Rhinocoris.

Page 97.

HARPACTOR ARENACEUS.

Coranus arenaceus, Walk. Zool. 2380.

Harkeko. Tajura.

Page 150.

For Scop. Flor. et Faun. Insects read Scop. Flor. et Faun. Insubr.

Page 151.

For Scop. Flor. et Faun. Insects read Scop. Flor. et Faun. Insubr.

For STAGMIGRADI read STAGNIGRADI.

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CATALOGUE
OF
EMIPTERA HETEROPTERA

IN THE
BRITISH MUSEUM.

BY
FRANCIS WALKER.

SUPPLEMENT



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PREFACE.

THIS pamphlet is intended to be supplementary to the British Museum Catalogue of Hemiptera Heteroptera, which does not include some of the latest additional species nor the most recent corrections in nomenclature. More synonyms and much descriptive information as to characters will be found in Stal's *Enumeratio Hemipterorum*, but a large part of the order is not as yet included in this enumeration.

The order in the Catalogue above mentioned forms 58 families, which are here enumerated:—

- | | |
|--------------------|-------------------|
| 1 Pachycoridæ | 19 Homæoceridæ |
| 2 Eurygastridæ | 20 Anisoscelidæ |
| 3 Podopidæ | 21 Alydidæ |
| 4 Odontoscelidæ | 22 Stenocephalidæ |
| 5 Plataspidæ | 23 Coreidæ |
| 6 Oxynotidæ | 24 Rhopalidæ |
| 7 Asopidæ | 25 Lygæidæ |
| 8 Cydnidæ | 26 Pyrrhocoridæ |
| 9 Sciocoridæ | 27 Capsidæ |
| 10 Phlæidæ | 28 Phymatidæ |
| 11 Halydidæ | 29 Macrocephalidæ |
| 12 Pentatomidæ | 30 Tingididæ |
| 13 Urostylidæ | 31 Piesmidæ |
| 14 Edessidæ | 32 Aradidæ |
| 15 Phyllocephalidæ | 33 Anthocoridæ |
| 16 Megymenidæ | 34 Microphyaidæ |
| 17 Spartoceridæ | 35 Acanthidæ |
| 18 Mictidæ | 36 Holoptilidæ |

SYNOPSIS

| | |
|---------------------|---------------------|
| 1. <i>Scutiger</i> | 1. <i>Scutiger</i> |
| 2. <i>Scutiger</i> | 2. <i>Scutiger</i> |
| 3. <i>Scutiger</i> | 3. <i>Scutiger</i> |
| 4. <i>Scutiger</i> | 4. <i>Scutiger</i> |
| 5. <i>Scutiger</i> | 5. <i>Scutiger</i> |
| 6. <i>Scutiger</i> | 6. <i>Scutiger</i> |
| 7. <i>Scutiger</i> | 7. <i>Scutiger</i> |
| 8. <i>Scutiger</i> | 8. <i>Scutiger</i> |
| 9. <i>Scutiger</i> | 9. <i>Scutiger</i> |
| 10. <i>Scutiger</i> | 10. <i>Scutiger</i> |

The *Scutiger* is a *Scutiger* *Scutiger* under one head, or as it is called, a *Scutiger* *Scutiger* of modifications, these changes of structure are to be noted. At the commencement of the *Scutiger* *Scutiger* Fam. 1-4 the bug, as it is called, is a *Scutiger* *Scutiger* having acquired a *Scutiger* *Scutiger* in the shape of a single *Scutiger* *Scutiger* and *Scutiger* *Scutiger*. After the appearance of a *Scutiger* *Scutiger* *Scutiger* *Scutiger* by the scutellum, which is a *Scutiger* *Scutiger* *Scutiger* *Scutiger*. When a change occurs, the *Scutiger* *Scutiger* *Scutiger* *Scutiger* is reduced in size and the *Scutiger* *Scutiger* *Scutiger* *Scutiger* has three forms. The *Scutiger* *Scutiger* *Scutiger* *Scutiger* is separated from the rest of the *Scutiger* *Scutiger* *Scutiger* *Scutiger* and the first of the *Scutiger* *Scutiger* *Scutiger* *Scutiger* is reduced. In the next change (Fam. 1-4) the *Scutiger* *Scutiger* *Scutiger* *Scutiger* the *Scutiger* *Scutiger* *Scutiger* *Scutiger* is still more reduced and the *Scutiger* *Scutiger* *Scutiger* *Scutiger* are then *Scutiger* *Scutiger* *Scutiger* *Scutiger* and the *Scutiger* *Scutiger* *Scutiger* *Scutiger* in a few cases the form is the same as some *Scutiger* *Scutiger* *Scutiger* *Scutiger* and probably has a *Scutiger* *Scutiger* *Scutiger* *Scutiger* in the *Scutiger* *Scutiger* *Scutiger* *Scutiger*. Towards the end of this series the body is *Scutiger* *Scutiger* *Scutiger* *Scutiger* in the next change (Fam. 25), where the size is *Scutiger* *Scutiger* *Scutiger* *Scutiger* and in that case the insect lives in the *Scutiger* *Scutiger* *Scutiger* *Scutiger*. Like the beetles, to which it has much resemblance. The size then increases (Fam. 26) and it is distinguished by bright colours and by the want of ocelli. In the succeeding change the membrane of the fore

wings has only two areolets, the size is little or very little, the antennæ are setaceous, and the legs are slender and feeble (Fam. 27). In the next case (Fam. 28, 29) the aspect is unusual, and has in one instance a mimicry of a fragment of vegetation. Then the size becomes exceedingly minute, the fore wings are often transparent and beautifully reticulated, and the habitation is frequently under stones or in moss (Fam. 30). The next residence is beneath the bark of trees, and the body is just adapted for that habitation, being much like a superficies (Fam. 31, 32). A great change now occurs in the character of the creature; hitherto (Fam. 1—32) the mouth has the same general structure, and the food, with few and slight exceptions, is vegetation, but the mouth in the next series of lesser changes (Fam. 33—44) is lancet-shaped, hard, and powerful, and the maintenance is by inserting this weapon into the bodies of other insects and by imbibing their blood, and the habitation is chiefly in tropical regions. At the commencement of the series (Fam. 33, 34) it is very small, and in its next appearance (Fam. 35) it is peculiarly familiar to the human race in the world generally, and its name has a reference to evil spirits in the night. At the end of this series, which appropriates so much of insect-life, and thereby acts like gravitation in regulating the latter, the Hemiptera has a remarkable thread-like form and resembles the walking-sticks among the Dermaptera (Fam. 44). It then effects a passage to the shore, and treads on the surface of the water in the next form (Fam. 45). In another change, when it inhabits the shore (Fam. 46, 47), the eyes are very prominent, and the next form is aquatic (Fam. 48). A third passage from land to water is by some different forms (Fam. 49—51), and of these one is more especially aquatic than the others, and in one shape inhabits the surface of the wide ocean. In the four last divisions (Fam. 53—56) it is wholly aquatic; in the first and second of these it is often of very large size, and in the last (Fam. 56) its mouth is very sharp and powerful; it preys on other insects, has

the form of a boat, swims on its back, and rows with its hind legs, which are beautifully feathered oars.

From the beginning to the end of the above series there is no form which indicates a transition to the Homoptera, but there may be links between the 35th family and the Anoplura.

SUPPLEMENT
TO
HEMIPTERA HETEROPTERA.

Abbreviations.

Ofv. &c.—Ofversigt af Kongl Vetenskaps Forhandlingar. *W. C. H.*
—Catalogue of Hemiptera Heteroptera, by F. Walker.

Fam. PACHYCORIDÆ.

Genus SPHÆROCORIS.

Div. 2.

Hyperoncus, *Stal*, *Ofv. &c.*, xxvii. 615.

SPHÆROCORIS PUNCTELLUS.

Hyperoncus punctellus, *Stal*, *Ofv. &c.*, xxvii. 615
Philippine Isles.

Genus AUGOCORIS.

The synonyms of some species previously recorded in the Catalogue
are corrected as follows:—

AUGOCORIS SEXPUNCTATUS.

Tetyra sexpunctata, *Fabr.*—*Tetyra illustris*, *Fabr.*—*Augocoris rugulosus*
and *Gomesi*, *H.-Sch.*—*Augocoris pallidus* and *cretaceus*, *Dallas*, &c.

AUGOCORIS GOMESII.

gigas, *Westw.*

AUGOCORIS OLIVACEUS.

olivaceus, *White*, *Trans. Ent. Soc. Lond.* iii. 84.
Buenos Ayres.

AUGOCORIS POEYI.

Poeyi, *Uhler, Proc. Ent. Soc. Phil.* ii. 158.

Cuba.

Scutellara binotata, Say, and *Tetyra marmorata*, Say, are considered by Stal to be uncertain as regards the genus.

Genus TECTOCORIS.

TECTOCORIS DIOPHTHALMUS.

Cimex diophtthalmus, *Thunb. Nov. Ins. Spec.* ii. 30, pl. 2, f. 45—*Tectocoris Banksii*, *W. C. H.* i. 12.

Genus SCUTELLERA.

Div. *Brachyaulax*, *Stal, Ofv. &c.*, xxvii. 616.

SCUTELLERA RUFOMACULATA.

Brachyaulax rufomaculata, *Stal, Ofv. &c.*, xxvii. 616.
Philippine Isles.

Genus CALLIDEA.

CALLIDEA GERMARI, *W. C. H.* i. 31.

C. consul, *W. C. H.* iii. 512.

CALLIDEA SELLATA, *W. C. H.* i. 32.

Cosmocoris sellatus, *Stal.*

CALLIDEA FESTIVA.

festiva, *Germ. Zeitsch.* i. 1, 120—*Philia festiva*, *Stal.*
Philippine Isles.

CALLIDEA GENICULATA.

Philia geniculata, *Stal, Ofv. K. V. Ak. Forh.* xxvii. 617.
Philippine Isles.

CALLIDEA BUQUETI.

Calliphara Buqueti, *Guér. Stal, Berl. Ent. Zeit.* x. 153.
Philippine Isles.

CALLIDEA EXCELLENS.

Calliphara excellens, *Burm. Stal, Berl. Ent. Zeit.* x. 153.
Philippine Isles.

CALLIDEA SENATOR.

Scutellera metallica, *Mtrz. Ann. Sci. Phys. et Nat. 2me Sér. vii. 94*—*Philea senator*, *Stal, Hem. Fabr. i. 9*.

Prof. Stal notes in p. 10 the difference between the five species of the Div. *Philea*.

1. *senator*. 2. *elegans*, *Mtrz.* 3. *ditissima*, *Voll.* 4. *leucocyanea*, *Mtrz.* 5. *jactator*, *Stal*; *gloriosa*, *Voll.*

Genus PACHYCORIS.

PACHYCORIS TIGRINUS.

tigrinus, *Voll. Versl. Akad. Amst. Natuurk. 2me Ser. ii. 176*.
Columbia.

PACHYCORIS TORRIDUS.

P. Klugii, *Dallas, Hem. i. 31*—*P. Fabricii*, *Dall. Hem. i. 31*; not of *Linn.* nor of *Fabr.*—*Cimex torridus*, *Scop. Ann. v. Hist. Nat. 110. Gmel. Syst. Nat. i. 1, 2184*—*P. Linnæi*, *Westw. Hope Cat. Hem. i. 12*—*P. Stallii*, *Uhler, Proc. Ent. Soc. Phil. ii. 159*—*Tetyra Schousboei*, *Fabr. Syst. Rhyn. 133*—*Schiodti*, *Kroyer, Nat. Tidjskr. iv. 288*—*Pæciloceris æneiventris*, *Voll. Faun. Ent. Ins. Neel. i. 7, pl. 1, f. 3*—*P. decoratus*, *Mayr, Reis Novara Hem. 25*—*P. Aquila*, *H.-Sch. Wanz. Ins. v. 7*.

PACHYCORIS FABRICII.

Fabricii, *Linn., Goeze, Fabr., Gmel., Wolff, Pal., Beauv.*

PACHYCORIS WILSONII.

Wilsonii, *Uhler, Proc. Ent. Soc. Phil. ii. 159*.
Cuba.

PACHYCORIS OBSCURATUS.

Symphylus obscuratus, *W. C. H. i. 55*.

PACHYCORIS LINEOSUS.

Polytes lineosus, *Stal, Enum. Hem. i. 8*.
New Granada.

P. lineolatus, *obscurus* and *velutinus* are species of *Polytes*, according to Stal, who forms with *P. hirtipes* and *atomarius* his genus *Ascanius*, and with *P. Wolfi* and *incarnatus* his genus *Achates*. *P. lævilineatus*, *Stal*, is a synonym of *P. incarnatus*. *P. guttatus*, *P. variabilis* (= *P. complicatus*, *Uhler, Proc. Ent. Soc. Philad. ii. 361*), *P. sticticus*, *P. scurrilis* and *P. leucopterus* are included by Stal in his genus *Orsilochus*. *Pachycoris* may also include *Demoleus* (*Stal, Ofv. xxiv. 493*), type *D. oblongus*, *Hagl. Ent. Zeit. Stell. xxix. 150*.

Genus MACRAULAX.

MACRAULAX BIPUNCTATUS.

Stal changes this name to *Tetyra bipunctata* (of which *M. tristis*, *Uhler*, is a synonym), and includes also in *Tetyra* *T. arcuatus*, *Fabr.*, *Pachycoris pinguis* and *P. farctus*, and he observes that *P. guttipes* is a synonym of *P. farctus*.

Genus SYMPHYLUS.

SYMPHYLUS IRRORATUS.

This species (= *Pachycoris flavescens*, *Westw.*), *S. variegatus*, *S. Boscii* (*Cimex Boscii*, *Fabr.* = *Scutellera punctatissima*, *Pal.*, *Beauv.*) and *S. chrysorrhœus* (*Tetyra chrysorrhœa*, *Fabr.* = *Scutellera viridipunctata*, *Say*), have been included in *Dioleus*.

SYMPHYLUS VARIABILIS.

Represents the genus *Misippus* (*Stal*, *Ofv. &c.* xxiv. 493), which also includes *S. Spinolæ*. Here also may be placed *Trichothyreus* (*Stal*, *Ofv. &c.* xxiv. 494), type *T. vitticeps* (*Stal*, *Enum. Hem.* i. 12). From New Granada.

Symphylus also includes the following additional species:—

SYMPHYLUS DEPLANATUS.

Pachycoris deplanatus, *H.-Sch.*—*Pachycoris Knochii*, *Germ.*

SYMPHYLUS AFFINIS.

Tetyra affinis, *Fabr.*

SYMPHYLUS OBLIQUUS.

Scutellera (*Pachycoris*) *obliqua*, *Guér. Sagr. Hist. Cuba Ins.* 362.

SYMPHYLUS LUMINOSUS.

Pachycoris luminosus, *Germ.*

SYMPHYLUS INFAMATUS.

infamatus, *Uhler*, *Proc. Ent. Soc. Phil.* ii. 361.

Genus EPHYNES.

Ephynes, *Stal*, *Ofv. &c.* xxiv. 495.

EPHYNES BREVICOLLIS.

brevicollis, *Stal*, *Enum. Hem.* i. 16.

North Brazil.

Genus AGONOSOMA.

AGONOSOMA DICHROA.

This name must be changed to *A. trilineata*; it is *Tetyra trilineata*, *Fabr.*, and has also been described by the following names:—*Cimex trivittatus*, *Panz.*; *Pachycoris ligatus*, *Germ.*; *A. quadriguttatum*, *Sgnt.*; *A. flavipes*, *Dallas*.

AGONOSOMA RUBROCINCTA.

This species, *A. flavicincta* and *A. Mexicana* form Stal's genera *Tiradates*.

Genus CRATHIS.

This name has been inadvertently printed as *Crathia*.

Genus HOMÆMUS.

The names of two species of this genus must be altered as follows:—

HOMÆMUS GRAMMICUS.

Tetyra grammica, *Wolff.*—*Homæmus parvulus*, *W. C. H.* i. 54.

HOMÆMUS ÆNEIFRONS.

Scutellera æneifrons, *Say*—*Homæmus exilis*, *W. C. H.* i. 54.

H. punctellus, *Stal*, has been transferred by that author to *Sphyrocoris*, *Mayr.*

Genus ZOPHOESSA.

Pachycoris conicus, *Germ.*, is transferred by Stal to this genus.

Genus ACANTHOLOMA.

Acantholoma, *Stal*, *Ofv. &c.* xxiv. 491.

ACANTHOLOMA DENTICULATA.

denticulata, *Stal*, *Enum. Hem.* i. 17.

Illinois.

Fam. EURYGASTERIDÆ.

Genus TRIGONOSOMA.

TRIGONOSOMA DESFONTAINII.

Cimex Desfontainii, *Fabr. Ent. Syst.* iv. 89—*Tetyra Desfontainii*, *Fabr. Syst. Rhyn.* 141—*Trigonosoma Desfontainii*, *Fieb. Eur. Hem.* 373.
Stal, Hem. Fabr. i. 20.

Barbary.

Fam. PODOPIDÆ.

Genus PODOPS.

Div. Scotinophara, *Stal, Ofv. &c. xxiv. 502, 523.*

PODOPS BISPINOSUS.

Scotinophara bispinosa, *Stal, Hem. Fabr. i. 21.*

PODOPS COARCTATUS.

Cimex coarctatus, *Fabr. Ent. Syst. Suppl. 530*—Tetyra bispinosa, *Fabr. Syst. Rhyn. 138*, partly—Scotinophara bispinosa, *Stal, Hem. Fabr. i. 22.*

Tranquebar.

PODOPS TARSALIS, *W. C. H. iii. 520.*

Scotinophora tarsalis, *Stal, Ofv. &c. xxvii. 623.*

PODOPS SERRATUS, *W. C. H. iii. 521.*

Scotinophora serrata, *Stal, Ofv. &c. xxvii. 623.*

Fam. ODONTOSCELIDÆ.

Genus ODONTOSCELIS.

ODONTOSCELIS DORSALIS, *W. C. H. i. 76.*

O. signatus, W. C. H. i. 76.

Genus CORIMELÆNA.

CORIMELÆNA MINUTA.

minuta, *Uhler, Proc. Ent. Soc. Phil. ii. 155.*

Cuba.

CORIMELÆNA EXTENSA.

extensa, *Uhler, Proc. Ent. Soc. Phil. ii. 155.*

Fort Benton.

CORIMELÆNA INCERTA.

incerta, *Uhler, Proc. Ent. Soc. Phil. ii. 156.*

Cuba.

CORIMELÆNA CILIATA.

ciliata, *Uhler, Proc. Ent. Soc. Phil. ii. 156.*

San Francisco.

CORIMELÆNA DENUDATA.

denudata, *Uhler, Proc. Ent. Soc. Phil. ii. 157.*

Louisiana.

CORIMELÆNA CYANEA.

cyanea, Uhler, *Proc. Ent. Soc. Phil.* ii. 157.
California.

CORIMELÆNA SMIDTII.

Tetyra Smidtii, *Fabr. Syst. Rhyn.* 143. *Schiodte, Kroyer, Nat. Tidjskr.* iv. 309—*Thyreocoris Smidtii*, *Stal, Hem. Fabr.* i. 8.
South America.

Fam. PLATASPIDÆ.**Genus COPTOSOMA.****CHLÆNOCORIS PUSILLUS, W. C. H. iii. 522.**

Sepontia pusilla, *Stal.*

COPTOSOMA ANGULARIS.

angulare, *Stal, Ofv. &c.* xxvii. 611.
Philippine Isles.

COPTOSOMA CONSPERSA.

conspersum, *Stal, Ofv. &c.* xxvii. 612.
Philippine Isles.

COPTOSOMA OBTUSICEPS.

obtusiceps, *Stal, Ofv. &c.* xxvii. 612.
Philippine Isles.

COPTOSOMA PALLIDA.

pallidum, *Stal, Ofv. &c.* xxvii. 613.
Philippine Isles.

Genus OSCA.

Oscas, *Stal, Ofv. &c.* xxvii. 614.

1. OSCA FLAVESCENS.

flavescens, *Stal, Ofv. &c.* xxvii. 614.
Philippine Isles.

Fam. ASOPIDÆ.**Genus STIRETRUS.**

S. rugosus and *S. decastigma* (which latter is a synonym of *S. septemguttatus*, *Germ. Zeitschr.* i. 17, pl. 1, f. 5) are included by Stal in his subgenus *Stictonotus*; he observes that *S. rubromaculatus* is a synonym of *S. decemguttatus*, and he includes *Stiretrosoma* with *Stiretrus*. *S. cæruleus*, *S. flavipes*, *S. anchorago* (= *S. fimbriatus*), *S. ornatus* (a synonym of *S. personatus*, *Germ. Zeitschr.* i. 16), are included by him in his subgenus *Oncogaster*.

Fam. PODOPIDÆ.

Genus *Podops*.*Podops*, *Stal. Ofs. &c.* xiv. 512, 513.*Podops* *Stal.**Podops* *Stal.*, *Hem. Fabr.* i. 21.*Podops* *Stal.**Podops* *Stal.*, *Hem. Fabr.* i. 21. — *Tetyra* *Fabr.* *Syst. Rhyn.* 133, partly — *Scotinophora* *Stal.*, *Hem. Fabr.* i. 21.*Trasquebar.**Podops* *Stal.*, *Hem. Fabr.* i. 21.*Podops* *Stal.*, *Hem. Fabr.* i. 21.*Podops* *Stal.*, *Hem. Fabr.* i. 21.*Podops* *Stal.*, *Hem. Fabr.* i. 21.

Fam. ODONTOSCELIDÆ.

Genus *Odontoscelis*.*Odontoscelis* *Stal.*, *Hem. Fabr.* i. 76.*Odontoscelis* *Stal.*, *Hem. Fabr.* i. 76.Genus *Corimelena*.*Corimelena* *Stal.**Corimelena* *Stal.*, *Hem. Fabr.* i. 155.*Corimelena**Corimelena* *Stal.**Corimelena* *Stal.*, *Hem. Fabr.* i. 155.*Corimelena**Corimelena* *Stal.**Corimelena* *Stal.*, *Hem. Fabr.* i. 155.*Corimelena**Corimelena**Corimelena* *Stal.*, *Hem. Fabr.* i. 155.*Corimelena**Corimelena**Corimelena*

CORIMELÆNA CYANEA.

cyanea, Uhler, *Proc. Ent. Soc. Phil.* ii. 137.
California.

CORIMELÆNA SMIDTII.

Tetyra Smidtii, *Fabr. Syst. Rhyn.* 143. *Schiodte, Kroyer, Nat. Tidsskr.*
iv. 309—*Thyreocoris* Smidtii, *Stal, Hem. Fabr.* i. 8.
South America.

Fam. PLATASPIDÆ.

Genus COPTOSOMA.

CHELENOCORIS FUSILLUS, *W. C. H.* iii. 522.

Sepontia pusilla, *Stal.*

COPTOSOMA ANGULARIS.

angularis, *Stal, Ofv. &c.* xxvii. 611.
Philippine Isles.

COPTOSOMA CONSPERSA.

conspersum, *Stal, Ofv. &c.* xxvii. 612.
Philippine Isles.

COPTOSOMA OBTUSICEPS.

obtusiceps, *Stal, Ofv. &c.* xxvii. 612.
Philippine Isles.

COPTOSOMA PALLIDA.

pallidum, *Stal, Ofv. &c.* xxvii. 613.
Philippine Isles.

Genus OSCA.

Oscia, *Stal, Ofv. &c.* xxvii. 614.

1. OSCA FLAVESCENS.

flavescens, *Stal, Ofv. &c.* xxvii. 614.
Philippine Isles.

Fam. ASOPIDÆ.

Genus STIRETRUS.

S. rugosus.

Stigma (which latter is a synonym of *S. septem-*
n. 17, pl. 1, f. 5) are included by Stal in his
observes that *S. rubromaculatus* is a synonym of
includes *Stiretrosoma* with *Stiretrus*. *S. caru-*
ago (= *S. fimbriatus*), *S. ornatus* (a synonym of
Schr. i. 16), are included by him in his subgenus

STIRETRUS QUINQUEPUNCTATUS.

quinquepunctatus, *Germ. Zeitschr.* i. 20.

Port au Prince.

Genus CAZIRA.**CAZIRA STRUMOSA.**

C. verrucosa, *Voll. Faun. Ent. Ind. Neerl.* iii. 3, pl. 1, f. 1—*C. strumosa*, *Stal, Enum. Hem.* i. 32.

Java?

Genus OPLOMUS.

O. dichrous is the type of Stal's subgenus *Polypœcilus*, and *Platynopus rhodomelas* (*W. C. H.* i. 123) and *Oplomus rubropictus* (*W. C. H.* iii. 529), are varieties of this species. *Platynopus militaris* (*W. C. H.* i. 124) is a variety of *Oplomus catena*. *Platynopus rubroguttatus* (*W. C. H.* i. 124) is a synonym of *Oplomus cruentus* (*Asopus cruentus*, *Burm. Handb. Ent.* ii. 380).

OPLOMUS TRIPUSTULATUS, W. C. H. i. 121.

Var. O. hæmatus, *W. C. H.* iii. 529.

According to Stal *O. tibialis*, *O. irolaceus*, *O. Salamandra*, *O. flavoguttatus*, *O. basalis*, and *O. chrysomelas* are varieties of this species; he also mentions *O. nigripennis* as a variety of *O. pulcher*. Stal's subgenus *Stictocnemus* is represented by *O. mutabilis* and by *O. Proteus*; he mentions *Platynopus conspersus* as a synonym of the latter.

OPLOMUS ANNOTATUS.

annotatus, *Uhler, Proc. Ent. Soc. Phil.* ii. 362.

Cuba.

Genus COLPOTHYREUS.

Stal, Ofv. &c. xxiv. 495.

COLPOTHYREUS FLAVOLINEATUS.

Halys flavolineatus, *Blanch. Voy. d'Orb. Amér.-Mér.* vi. 2, 220, pl. 30, f. 8.

Bolivia.

Genus HETEROSCELIS.

Latr. R. An. v. 194. *De Lap. Ess. Hem.* 86—*Phyllochirus*, *Spin. Ess. Hem.* 306—*Phyllochirus*, *Serv. Hist. Hem.* 80. *Stal, Ofv. &c.* xxiv. 496—*Agerrus*, *Stal, Ofv. &c.* xv. 434—*Bodetria*, *W. C. H.* i. 119.

HETEROSCELIS SERVILLEI.

De Lap. Ess. Hem. 86—*Phyllochirus Servillei*, *Serv. Hist. Hem.* 81—*Agerrus remipes*, *Stal, Ofv. &c.* xv. 434—*Bodetria brentoides*, *chrysochlora*, and *indecora*, *W. C. H.* i. 119 ; iii. 528.

HETEROSCELIS LEPIDA.

Phyllochirus lepidus, *Stal, Stett. Ent. Zeit.* xxiii. 93—*Bodetria scutellaris*, *W. C. H.* iii. 529.

Genus JALLA.

JALLA RUBRICOXA.

Stal, Enum. Hem. i. 34.

Adelaide.

Genus ZICRONA.

ZICRONA AMERICANA.

Rhacognathus Americanus, *Stal, Enum. Hem.* i. 33.

Illinois.

ZICRONA FUSCOXA.

Asopus fuscus, *Germ. Silb. Rev. Ent.* v. 187—*Asopus fucosus*, *H.-Sch. Wanz. Ins.* vii. 114, pl., f. 780.

Cape.

ZICRONA BRONZEA.

Pentatoma bronzea, *Westw. Hope's Cat. Hem.* i. 40.

Sierra Leone.

ZICRONA EXAPTA.

Pentatoma exapta, *Say, Journ. Acad. Phil.* iv. 313; *Works Ed. Lec.* ii. 240—*Pentatoma variegata*, *Kirby, Faun. Bor. Amer.* iv. 276—*Zicrona marginella*, *W. C. H.* i. 146—*Zicrona excepta*, *Uhler, Proc. Ent. Soc. Phil.* i. 23.

TYNACANTHA STRIGIPES.

W. C. H. i. 144—*Mineus* (*Stal, Ofv. &c.* xxiv. 498) *strigipes*, *Stal, Enum. Hem.* i. 32.

North America. Mexico.

Genus PLATYNOPUS.

PLATYNOPUS TAGALICUS.

tagalicus, *Stal, Enum. Hem.* ii. 39.

Philippine Isles.

Pentatoma melanostoma W. C. H. i 529.*Pentatoma melanostoma* W. C. H. i 529, 530.

New Guinea and other southern Asia.

Pentatoma splendens.*Pentatoma splendens* Fov. Sci. East. Hem. i 229—*Pentatoma splendens*,
Sci. East. Hem. i 44.

Java.

Pentatoma decorata.*Pentatoma decorata* W. C. H. i 530.*Pentatoma latissima*.*Pentatoma latissima* Sci. East. Hem. i 229.

Java.

Genus STERNA.*Sterna* Sci. East. Hem. i 229.*Genus STERNA*.*Sterna* Sci. East. Hem. i 229.

Philippine Islands.

Genus CANTERONA.*CANTERONA ALBA*.*Canterona alba* Fov. Sci. East. Hem. i 229—*Pentatoma alba* Sci. East. Hem. i 44.

Java.

CANTERONA FLAVIPES.*Canterona flavipes* Sci. East. Hem. i 44.

Java.

CANTERONA CHRYSOPTERA.*Asopus chrysopterus* H. Sch. Wenz. Ins. vii. 114—*Heteropus chrysopterus*,
H. Sch. Wenz. Ins. vii. 114.

Isle Gorkani.

CANTERONA PURPUREA.*C. Yolola*, W. C. H. i 130—*Pentatoma purpurea*, Westw. Hope's Cat.
Hem. i 43—*C. purpurea*, Stal, East. Hem. i 44.This species, *C. figurata* and *C. flavirostrum* represent Stal's sub-
genus *Afrus*.

Genus GLYPUS.

GLYPUS FUSCISPINUS.

fuscispinus, *Stal, Enum. Hem. i. 47.*

Hindustan.

Genus MUTYCA.

MUTYCA GUNDLACHII.

Pentatoma (Canthecona) Gundlachii, *Guér. Sagra Hist. Cuba, Ins. 367,*
pl. 13, f. 2.

Cuba.

Genus ARMA.

ARMA LURIDA.

Cimex elector, *Fabr. Ent. Syst. iv. 98; Syst. Rhyn. 160*—Podisus (Troilus)
luridus, *Stal, Hem. Fabr. i. 17; Enum. Hem. i. 48.*

ARMA GRANDIS, *W. C. H. i. 134.*

Podisus (Apocilus) grandis, *Stal. Enum. Hem. i. 49.*

ARMA SAGITTA.

didyma, *W. C. H. i. 135*—Cimex sagitta, *Fabr. Ent. Syst. iv. 99; Syst.*
Rhyn. 161.

ARMA NIGRISPINA.

Podisus vittipennis, *H.-Sch. Wanz. Ins. ix. 339*—Arma emarginata, *Stal,*
Eug. Resa, 222—Podisus nigrispina, *Stal, Enum. Hem. i. 50.*

ARMA PUNCTIGERA.

Podisus punctiger, *Stal, Enum. Hem. i. 52.*

Columbia.

ARMA ACUTISSIMA.

Podisus (Tylospilus) acutissimus, *Stal, Enum. Hem. i. 53.*

Mexico. Texas.

ARMA CLÆLIA.

Clælia, *W. C. H. i. 135*—Podisus (Tylospilus) Clælia, *Stal, Enum. Hem.*
i. 53.

ARMA NEGLECTA.

Euphigaster neglectus, *Wester. Hope's Cat. Hem.* i. 31—*Podius neglectus*, *Stål, Enum. Hem.* i. 53.

ARMA CORNUA.

Dallas, Cat. Hem. i. 98—*Podius cornutus*, *Stål, Enum. Hem.* i. 54.
Columbia.

ARMA CYNICA.

Pentatoma cynica, *Say, New Harm. Ind.; Works Ed. Lec.* i. 312—*Podius cynicus*, *Stål, Enum. Hem.* i. 54.

Missouri.

ARMA BRACTEATA.

Fisch. Third Rep. Ins. ꝯc. 18—*Podius bracteatus*, *Stål, Enum. Hem.* i. 54.

New York.

ARMA CONSOCIALIS.

Pentatoma consociale, *Boind. Voy. Astr. Ent.* ii. 630, pl. 11, f. 9—*Arma Schellenbergii*, *W. C. H.* i. 140—*Oechalia consocialis*, *Stål, Enum. Hem.* i. 59.

Genus MENIDA.

Metsch. Opus. Ent. x. 23.

MENIDA VIOLACEA.

Metsch. Opus. Ent. x. 23.

Japan.

Genus CORYZORHAPHIS.

CORYZORHAPHIS SPINOLE, *W. C. H.* i. 142.

Gilva varipes, *W. C. H.* i. 141, 239.

Genus EUTHYRHYNCHUS.**EUTHYRHYNCHUS FLORIDANUS.**

Var. *punicus*, *W. C. H.* i. 143—*Pentatoma marginata*, *Say, New Harm. Ind.; Works Ed. Lec.* i. 313.

EUTHYRHYNCHUS MAROCNEMIS, *W. C. H.* i. 143.

ducalis, *W. C. H.* i. 143.

Genus TYNCANTHA.

Stål refers to this genus *Arma pulchricornis*, *W. C. H.* i. 135, and *A. cincticeps*, *Stål, W. C. H.* i. 138.

Genus APATETICUS.

APATETICUS HALYS, *W. C. H.* i. 143.*Podisus punctipennis*, *H.-Sch. Wanz. Ins.* ix. 338—*Podisus* (*Apateticus*) *Halys*, *Stal, Enum. Hem.* i. 49.

APATETICUS MARGINIVENTRIS.

Podisus (*Apateticus*) *marginiventris*, *Stal, Enum. Hem.* i. 49.

Genus ASOPUS.

ASOPUS CALENS.

Asopus calens, *H.-Sch. Wanz. Ins.* vii. 117, pl. 225, f. 709—*Cimex calens*, *Fabr. Syst. Rhyn.* 163.

Guinea.

ASOPUS MALABARICUS.

Cimex Malabaricus, *Fabr.*—*Amyotea nigripes*, *Ellenr. Nat. Tijdschr. Ned. Ind.* xx. 138, f. 4, 5—*Asopus nigripes*, *Voll. Faun. Ind. Neerl.* iii. 14.ASOPUS MACTANS, *W. C. H.* i. 145.*Malabaricus*, *Fabr. &c.*—*Amyotia dystercoides*, *W. C. H.* i. 144.

ASOPUS NIGRIPES.

Amyotia nigripes, *W. C. H.* i. 146.ASOPUS CRUCIATUS, *W. C. H.* i. 144.*Comperocoris* (*Stal, Ofv. &c.* xxiv. 499) *cruciatus*, *Stal, Enum. Hem.* i. 37.

Fam. CYDNIDÆ.

Genus ÆTHUS.

ÆTHUS VARIANS.

Cydnus varians, *Fabr. Syst. Rhyn.* 187—*Æthus varians*, *Stal, Hem. Fabr.* i. 6.

Bengal.

Div. *Pangæus*, *Stal.*ÆTHUS ÆTHIOPS, *W. C. H.* iii. 534.*Pangæus æthiops*, *Stal, Hem. Fabr.* i. 7.Div. *Legnotus*, *Kroyer, Nat. Tijdschr. 2me Sér.* ii. 464. *Stal, Hem. Fabr.* i. 7.

ÆTHUS BREVIPENNIS.

Legnotus brevipennis, *Stal, Hem. Fabr.* i. 8.

Div. *Lactistes*, *Schiodte*.

ÆTHUS RASTELLUS.

Lactistes rastellus, *Schiodte*, *Nat. Tidjskr. Ser. 2*, ii. 457.
Philippine Isles.

Fam. *SCIOCORIDÆ*.

Genus *SCIOCORIS*.

SCIOCORIS TERREUS.

Naucoris cursitans, *Fabr. Ent. Syst.* iv. 67; *Syst. Rhyn.* 111.

SCIOCORIS VARICORNIS.

Laprius varicornis, *Stal, Ofv. &c.* xxvii. 623.

Div. *Myrocheina*, *Stal.* Genera *Myrochea*, *Paramecocoris*, *Ennius*,
Erachteus, *Cocalus*, *Laprius*, *Ædnus*.

Div. *Aëptina*, *Stal.* Genera *Dymantis*, *Aëptus*, *Menestheus*, *Eribotes*.

Genus *OCHROPHARA*.

Ochrophara, *Stal, Ofv. &c.* xvii. 626.

OCHROPHARA EMARGINATA.

emarginata, *Stal, Ofv. &c.* xxvii. 626.

Philippine Isles.

Genus *DISCOCEPHALA*.

DISCOCEPHALA UMBRACULATA.

D. conspersipes, p. 184.

DISCOCEPHALA COMPLANATA.

D. (Colpocarena) complanata, *Stal, Hem. Fabr.* i. 17.

DISCOCEPHALA OVATA.

D. (Ischnopelta) ovata, *Stal, Hem. Fabr.* i. 18.

DISCOCEPHALA SCUTELLATA.

D. Ischnopelta) scutellata, *Stal, Hem. Fabr.* i. 18.

DISCOCEPHALA CÆNOSA.

D. vicina, *Sgnt.*

Fam. *HALYDIDÆ*.

Genus *OCHLERUS*.

OCHLERUS MARGINATUS.

Cimex marginatus, *Fabr. Syst. Rhyn.* 171—*Ochlerus cinctus*, *W. C. H.* i. 193—*Ochlerus flavicinctus*, *W. C. H.* i. 194—*Ochlerus marginatus*,
Stal, Hem. Afr. ii. 23.

Genus MACROPYGIUM.

MACROPYGIUM RETICULARE.

Cimex reticularis, *Fabr. Syst. Rhyn.* 170—*Macropygium subsulcatum*, *W. C. H.* i. 196—*Macropygium reticulare*, *Stal, Hem. Fabr.* i. 23.

Genus MECISTORHINUS.

MECISTORHINUS VARIEGATUS.

Pentatoma (Mecistorhinus) variegata, *Guér. Sagra, Hist. Cuba Ins.* 366.
Cuba.

Genus ANTITEUCHUS.

ANTITEUCHUS SEPULCRALIS.

Edessa sepulcralis, *Fabr. Syst. Rhyn.* 153—*Antiteuchus luctuosus*, *W. C. H.* i. 198.

ANTITEUCHUS GUTTATOPUNCTATUS.

Edessa guttatopunctata, *Fabr. Syst. Rhyn.* 152—*Antiteuchus griseus*, *W. C. H.* i. 199—*Antiteuchus guttatopunctatus*, *Stal, Hem. Fabr.* i. 18.
South America.

ANTITEUCHUS PALLESCENS.

pallescent, *Stal, Hem. Fabr.* i. 18.
South America.

ANTITEUCHUS TRIPTERUS.

Cimex tripterus, *Fabr. Mant. Ins.* ii. 294; *Ent. Syst.* iv. 116—*Edessa triptera*, *Fabr. Syst. Rhyn.* 153—*Cataulax apicalis*, *Erichs. Schomb. Reise Brit. Guian.* iii. 609—*Antiteuchus tripterus*, *Stal, Hem. Fabr.* i. 19.

Cayenne.

ANTITEUCHUS MIXTUS.

———, *Stoll, Pun. f.* 173—*Cimex mixtus*, *Fabr. Mant. Ins.* ii. 294; *Ent. Syst.* iv. 115—*Edessa mixta*, *Fabr. Syst. Rhyn.* 153—*Antiteuchus mixtus*, *Stal, Hem. Fabr.* i. 19.

Cayenne.

Genus CHLOROCORIS.

CHLOROCORIS DEPRESSUS.

Helys depressa, *Fabr. Syst. Rhyn.* 182—*Chlorocoris depressus*, *Stal, Hem. Fabr.* i. 23.

South America.

CHLOROCORIS DEPLANATUS.

deplanata, *H.-Sch. Wenz. Ins.* vi. 68, pl. 201, f. 633.

Genus ECTENUS.

ECTENUS ÆREUS.

ærens, *Stal, Ofv. &c. xxvii. 621.*

Philippine Isles.

Genus ERTHESINA.

ERTHESINA GUTTATA.

Cimex guttatus, Fabr. Ent. Syst. iv. 108—Edessa guttata, Fabr. Syst. Rhyn. 151—Erthesina guttata, Stal, Hem. Fabr. i. 23.

Siam.

Genus DALPADA.

DALPADA TAGALICA.

tagalica, *Stal, Ofv. &c. xxvii. 622.*

Philippine Isles.

DALPADA SIMPLICIPES.

simplicipes, *Stal, Ofv. &c. xxvii. 623.*

Philippine Isles.

Genus BROCHYMENA.

BROCHYMENA POEYI.

Pentatoma (Brochymena) Poeyi, Guér. Sagra, Hist. Cuba Ins. 365, pl. 13, f. 1.

Cuba.

Genus ONCOCORIS.

ONCOCORIS CŒLEBS.

Cimex cœlebs, Fabr. Ent. Syst. iv. 111; Syst. Rhyn. 168 — Oncocoris cœlebs, Stal, Hem. Afr. i. 23.

Australia.

Fam. PENTATOMIDÆ.

Genus GALEDANTA.

GALEDANTA BITUBERCULATA.

bituberculata, *Serv. Hist. Hem. 136.*

Genus PRIONOSOMA.

Prionosoma, Uhler, Proc. Ent. Soc. Phil. ii. 363.

1. PRIONOSOMA PODOPIOIDES.

podopioides, *Uhler, Proc. Ent. Soc. Phil. ii. 364.*

California.

Genus EUSCHISTUS.

EUSCHISTUS HEROS.

Cimex heros, *Fabr. Ent. Syst. Suppl.* 232 ; *Syst. Rhyn.* 161—*Euschistus apicalis*, p. 247—*Euschistus heros*, *Stal, Hem. Fabr.* i. 26.

EUSCHISTUS ORENATOR.

Cimex crenator, *Fabr. Ent. Syst.* iv. 101—*Euschistus crenator*, *Syst. Rhyn.* 162. *Stal, Hem. Fabr.* i. 26.

W. Indies.

EUSCHISTUS MACULATUS.

Cimex maculatus, *Fabr. Syst. Ent.* 704 ; *Sp. Ins.* ii. 347 ; *Mant. Ins.* ii. 288 ; *Ent. Syst.* iv. 100 ; *Syst. Rhyn.* 161—*Thyanta maculata*, *Stal, Hem. Fabr.* i. 29.

America.

Genus PROXYS.

PROXYS BREVIPENNIS.

Proxys brevipennis, *Guér. Sagra, Hist. Cuba Ins.* 372.

Cuba.

Genus MORMIDEA.

MORMIDEA OBSCURA.

Pentatoma obscura, *Pal., Beauv.*—*Pentatoma* (Mormidea) *obscura*, *Guér. Sagra, Hist. Cuba Ins.* 366.

Cuba.

MORMIDEA PUSTULATA.

Pentatoma pustulata, *Pal., Beauv.*—*Pentatoma* (Mormidea) *pustulata*, *Guér. Sagra, Hist. Cuba Ins.* 367.

Cuba.

MORMIDEA PERDITOR.

Pentatoma perditor, *Fabr.*—*Pentatoma* (Mormidea) *perditor*, *Guér. Sagra, Hist. Cuba Ins.* 367.

Cuba.

MORMIDEA GEOGRAPHICA.

Cimex geographicus, *Fabr. Syst. Rhyn.* 159—*Pentatoma* (Mormidea) *geographica*, *Guér. Sagra, Hist. Cuba Ins.* 369—*Mormidea geographica*, *Stal, Hem. Fabr.* i. 27.

Cuba. Surinam.

MORMIDEA? TYPHÆUS.

Pentatoma (Mormidea?) *typhæus*, *Guér. Sagra, Hist. Cuba Ins.* 370—*typhæus*, *Fabr.*

Cuba.

Genus HOPLISTODERA.

HOPLISTODERA TRIMACULATA.

Astyanax trimaculatus, *Stal.*

HOPLISTODERA VULNERABILIS.

Stachyomia vulnerabilis, *Stal, Ofv. &c. xxvii. 629.*

Philippine Isles.

Genus AXIAGASTUS.

AXIAGASTUS CARINATUS.

Subg. *Oncotropis carinatus*, *Stal, Ofv. &c. xxvii. 630.*

Philippine Isles.

Genus ÆLIA.

ÆLIA OBSCURA.

Platysolen obscurus, *Sahlb. Not. Fenn. xi. 281.*

Russian Lapland.

Genus EYSARCORIS.

EYSARCORIS MAYETI.

Mayeti, *Muls. et Rey, Ann. Soc. Lin. Lyon, xviii. 99; Op. Ent. xiv. 123.*

Pyrenees.

EYSARCORIS BOVILLUS.

Stollia bovilla, *Ellenr., Stal.*

EYSARCORIS DISTACTUS.

Stollia distacta, *Ellenr., Stal.*

Philippine Isles.

Genus BRACHYCORIS.

Brachycoris, *Stal, Ofv. &c. xxvii. 633.*

1. BRACHYCORIS SEMIFLAVUS.

semiflavus, *Stal, Ofv. &c. xxvii. 634.*

Philippine Isles.

Genus PENTATOMA.

PENTATOMA ALBIPES.

Cimex albipes, *Fabr. Sp. Ins. ii. 345; Mant. Ins. ii. 284; Ent. Syst. iv. 96; Syst. Rhyn. 158—Pentatoma congener, W. C. H. ii. 87—Dryocoris albipes, Stal, Hem. Fabr. i. 29.*

PENTATOMA ANNULATA.

Cimex (Palomena) annulata, *Puton, Pet. Nouv. 124; Müllh. Selw. Ent. Ges. iii. 416.*

Bone.

PENTATOMA VARIEGATA.

variegata, Kirby, *Faun. Amer. Bor.* 276.

Arctic America.

PENTATOMA TRILINEATA.

Pentatoma (*Neotiglossa*) *trilineata*, Kirby, *Faun. Amer. Bor.* 276, pl. 6, f. 6.

Arctic America.

PENTATOMA AZUREA.

Cimex azureus, Fabr. *Ent. Syst.* iv. 118; *Syst. Rhyn.* 163—*Caura azurea*, Stal, *Hem. Afr.* i. 26.

Guinea.

PENTATOMA STRIOTA.

Cimex strietus, Fabr. *Syst. Rhyn.* 179—*Peribalus strictus*, Stal, *Hem. Fabr.* i. 28.

N. Africa.

PENTATOMA ELONGATA.

Niphe elongata, Stal, *Ofv. &c.* xxvii. 625.

Philippine Isles.

PENTATOMA VITTATIVENTRIS.

Niphe vittativentris, Stal, *Ofv. &c.* xxvii. 625.

Philippine Isles.

PENTATOMA PICUS.

Cimex Picus, Fabr. *Ent. Syst.* iv. 115—*Cimex marmoreus*, Fabr. *Ent. Syst. Suppl.* 534—*Cimex cinnamomens*, Wolff, *Icon. Cim.* iii. 99, pl. 10, f. 93—*Edessa Picus*, Fabr. *Syst. Rhyn.* 153—*Edessa marmorea*, Fabr. *Syst. Rhyn.* 153—*Pentatoma Timorensis*, W. C. H. ii. 299—*Halyomorpha Picus*, Stal, *Hem. Fabr.* i. 24.

PENTATOMA BIGUTTATA.

Coreus biguttatus, Fabr. *Ent. Syst.* iv. 129—*Cimex binotatus*, Fabr. *Syst. Rhyn.* 165—*Carbula biguttata*, Stal, *Hem. Fabr.* i. 25.

Hindustan.

PENTATOMA LONGIROSTRIS, W. C. H. ii. 303.

Tolumnia longirostris, Stal.

PENTATOMA BOITARDI, W. C. H. ii. 304.

Cappæa Boidarti, Stal.

PENTATOMA UNICOLOR.

Plantia unicolor, Stal, *Ofv. &c.* xxvii. 632.

Philippine Isles.

Genus: ANTESTIA.

ATTENZIONE PERSONAL

Francesca Perondi, W. C. H. n. 304—Antonia Perondi, *Stal*, A. S. E. F.
 Aug. 2, 1928.

AVICETIA CUCIATA.

Protonema cruxium, W. C. H. n. 300.

ASTENIA ANGULOSA.

Suprema Del Oro de 1871-1874

Pain Remedy. Painless Labor.

Genus STRACHIA.

SEROTONIN

Var. 3 *Carex albomarginata*, Fabr. Ent. Syst. iv. 123; Syst. Rhyn. 178
— *Eriocoma albomarginata*, Steud. Fl. Fieb. i. 30.

SERENA COMPTON

crustacea. Penn. Ac. Nat. 1857, 124; Mich. Sch. Ent. Soc. iii. 415.
Dana

STANDARD STANDARD

China Sanguinalis, Fabr. Sp. Bign. 179—Stuehin gloriosa, W. C. H.

SILVER JEWELRY

Chrysomelid Fair Mon. Jan. i. 215: Ent. Syst. iv. 119; Syst. *Ripari* 174 — *Phyllotreta* *Phyllotreta*, W. C. H. iii. 561 — *Ranibia* *dis-*
colorata, *Chrysomelid Fair* : 21.

REPORTING OFFICER:

SECRET

Spencer's Patent. See

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Reference List

GENERAL T-5000

THE FINAL

Vainilla planifolia, Sw., — *Cinchona puberula*, Fabr. Syst. Rhyn. 167.
N. Y. Bot. Soc. Trans. 1890, p. 173, t. 23. — *Vainilla violacea*, Stehlé,
Hort. Acad. 1891.

2. Answer

Genus RHAPHIGASTER.

RHAPHIGASTER LITURATUS.

Cimex lituratus, *Fabr. Ent. Syst.* iv. 114; *Syst. Rhyn.* 170—*Rhaphigaster purpureipennis*, *W. C. H.* ii. 356 — *Piezodorus lituratus*, *Stal. Hem. Fabr.* i. 31.

RHAPHIGASTER MACULA.

Inadvertently recorded again as *Banasa discifera*, *W. C. H.* ii. 400.

RHAPHIGASTER IRATUS.

Cimex iratus, *Fabr. Mant. Ins.* ii. 292; *Ent. Syst.* iv. 111; *Syst. Rhyn.* 168—*Banasa irata*, *Stal, Hem. Fabr.* i. 32.

Cayenne.

RHAPHIGASTER VIRIDILUS.

Cimex viridulus, *Linn.*—*Cimex spirans*, *Fabr. Ent. Syst. Suppl.* 533; *Syst. Rhyn.* 167 — *Nezara viridula*, *Stal, Hem. Afr.* i. 193.

RHAPHIGASTER MARGINATUS.

marginata, *Pal., Beauv.*—*Pentatoma (Nezara) marginata*, *Guér.*
Cuba.

RHAPHIGASTER ADSPERSUS.

Cimex adpersus, *Fabr. Syst. Rhyn.* 175 — *Antestia adpersa*, *Stal, Hem. Fabr.* i. 34.

Guinea.

RHAPHIGASTER HISTRIO.

Cimex histrio, *Fabr. Mant. Ins.* ii. 296; *Ent. Syst.* iv. 122; *Syst. Rhyn.* 178 — *Rhaphigaster concinnus*, *Dallas, Cat. Hem.* i. 205 — *Antestia histrio*, *Stal, Hem. Fabr.* i. 34.

Tranquebar.

RHAPHIGASTER GUINEENSIS.

Zangis Guineensis, *Stal, Hem. Fabr.* i. 33.

RHAPHIGASTER BERYLLUS.

Cimex beryllus, *Fabr. Mant. Ins.* ii. 292; *Ent. Syst.* iv. 110; *Syst. Rhyn.* 168—*Zangis beryllus*, *Stal, Hem. Fabr.* i. 33.

RHAPHIGASTER NIGROMARGINATUS.

Zangis nigromarginata, *Stal, Ofv. &c.* xxvii. 632.

Philippine Isles.

RHAPHIGASTER INORNATUS.

Zangis inornata, *Stal, Ofv., &c.* xxvii. 633.

Philippine Isles.

RHAPHIGASTER SPINOSUS, *W. C. H.* ii. 367.**Sabæus spinosus, *Stal.*****RHAPHIGASTER RUBROFASCIATUS.**

Cimex rubrofasciatus, *Fabr. Mant. Ins.* ii. 293 ; *Ent. Syst.* iv. 114 ; *Syst. Rhyn.* 170 — Cimex flavescens, *Fabr. Ent. Syst. Suppl.* 134 ; *Syst. Rhyn.* 168 — Rhaphigaster virescens, *W. C. H.* ii. 369 — Piezodorus rubrofasciatus, *Stal, Hem. Fabr.* i. 31.

Genus CUSPICONA.**CUSPICONA RUFISPINA.****rufispina, *Stal, Ofv. &c.* xxvii. 636.****Philippine Isles.**

Page 637 of the above-mentioned book contains a synopsis of the distinctive characters of Rhynchocoris, Hoffmansegiella, Morna, Pugione, Pegala, Vitellus, Cuspicona, Ocirrhoë, and Peribœa, which are included in Rhynchocorina, *Stal*; and at page 638 Acanthosoma, Sastragala, Elasmotethus, Stictocarenum, Elasmucha, and Cyphostethus, constituting Acanthosomina, *Stal*, are divided in like manner.

CUSPICONA TÆNIOLA, *W. C. H.* ii. 386.**Stictocarenum tæniolus, *Stal.*****Genus MICRODENTERUS.****MICRODENTERUS PALLESCENS.****pallens, *Stal, Ofv. &c.* xxvii. 641.****Philippine Isles.****Genus RHYNCHOCORIS.****RHYNCHOCORIS LONGIROSTRIS.****longirostris, *Stal, Ofv., &c.* xxvii. 634.****Philippine Isles.****RHYNCHOCORIS BREVIROSTRIS.****brevirostris, *Stal, Ofv. &c.* xxvii. 635.****Philippine Isles.****RHYNCHOCORIS NIGRIDENS.****nigridens, *Stal, Ofv., &c.* xxvii. 635.****Philippine Isles.****Genus ACANTHOSOMA.****ACANTHOSOMA NOTATA, *W. C. H.* ii. 396.****Sastragala notata, *Stal.***

ACANTHOSOMA OBTUSISPINA.

Sastragala obtusispina, *Stal, Ofv. &c.* xxvii. 638.
Philippine Isles.

ACANTHOSOMA SPICULIGERA.

Sastragala spiculigera, *Stal, Ofv. &c.* xxvii. 639.
Philippine Isles.

ACANTHOSOMA LONGIROSTRIS.

Elasmucha longirostris, *Stal, Ofv. &c.* xxvii. 639.
Philippine Isles.

ACANTHOSOMA FERRUGINEA.

Elasmucha ferruginea, *Stal, Ofv. &c.* xxvii. 640.
Philippine Isles.

Genus ACROSTERNUM.**ACROSTERNUM GRAMINEUM.**

Cimex gramineus, *Fabr. Mant. Ins.* ii. 295; *Ent. Syst.* iv. 120; *Syst. Rhyn.* 175 — *Cimex seladonius*, *Fabr. Ent. Syst.* iv. 114; *Syst. Rhyn.* 170—*Acrosternum gramineum*, *Stal, Hem. Fabr.* i. 31.
Hindustan.

ACROSTERNUM INCERTUM.

Rhaphigaster incertus, *W. C. H.* ii. 367.

ACROSTERNUM MILIARE.

Cimex miliaris, *Klug.*

Genus UROSTYLIS.**UROSTYLIS LÆVIPENNIS.**

lævipennis, *Stal, Ofv. &c.* xxvii. 641.
Philippine Isles.

UROSTYLIS SERRULATA.

serrulata, *Stal, Ofv. &c.* xxvii. 642.
Philippine Isles.

UROSTYLIS CRUCIATA.

cruciata, *Stal, Ofv. &c.* xxvii. 642.
Philippine Isles.

Genus UROLABIDA.**UROLABIDA BIPUNCTATA.**

bipunctata, *Stal, Ofv. &c.* xxvii. 641.
Philippine Isles.

Genus ECHINOTUS.**ECHINOTUS****ECHINOTUS**

E. ... W. C. H. ii. 45.

ECHINOTUS

Echinosoma Fair. *Syst. Hym.* 111—*Echinosoma*, Stal, *Hem. Fabr.* ...

E. ...

ECHINOTUS

E. ... W. C. H. ii. 45.

Genus ACHROPODUS.**ACHROPODUS**

Crem. ... Fair. *Enc. Syst. Suppl.* 345; *Syst. Hym.* 175.

Genus BRACHYSTERNUS.**BRACHYSTERNUS**

Crem. ... Fair. *Hem. Enc.* ii. 233; *Hem. Syst.* iv. 115—*Echinosoma* ...
... ... Fair. *Syst. Hym.* 153—*Brachysternus* ... Stal,
Hem. Fabr. i. 24.

Crem.

B. ... Syst. may be a different species.

Genus PIEZOSTERNUM.**PIEZOSTERNUM**

Crem. ... Fair. *Enc. Syst.* iv. 110—*Piezosternum* ...
W. C. H. ii. 457.

For the other synonyms of this species see Stal, *Hem. Afr.* iii. 228.

Div. 2.

Pastochlora, Stal, *Exam. Hem.* i. 64.

PIEZOSTERNUM VIVIDUM.

Pastochlora ... Stal, *Exam. Hem.* i. 65.

Campechy.

Genus PYGOPLATYS.**PYGOPLATYS**

bovillus, Stal, *Ofv. &c.* xxvii. 643.

Philippine Isles.

PYGOPLATYS THOREYI, *W. C. H.* iii. 460.

Nubg. (Odontotuchus) Thoreyi, Stal.

PYGOPLATYS LONGICEPS.

Subg. *Odontoteuchus longiceps*, *Stal, Ofv. &c. xxvii. 643.*
Philippine Isles.

PYGOPLATYS HÆDULUS.

Subg. *Odontoteuchus hædulus*, *Stal, Ofv. &c. xxvii. 644.*
Philippine Isles.

PYGOPLATYS ROSOLENTUS.

Subg. *Odontoteuchus rosolentus*, *Stal, Ofv. &c. xxvii. 644.*
Philippine Isles.

The sub-family Tesseratomina, *Stal* (included in the family Cimicina, *Stal*), is divided by that author into the five following groups: — Oncomerina, Tesseratomina, Eusthenina, Prionogastrina, Cyclogastrina.

ONCOMERINA.

Genus STILIDA.

STILIDA SINUATA.

sinuata, *Stal, Enum. Hem. i. 61.*
Cape York, Australia.

Genus AXONA.

AXONA LONGITUDINALIS.

Erga roseoflua, *W. C. H. iii. 485.*

Genus ONCOMERIS.

ONCOMERIS OSTRACIOPTERUS.

Tesseratoma ostraciopterum, *Mtz. Ann. Sci. Phys. 2me Sér. vii. 99* — *Oncomeris socius*, *W. C. H. iii. 475.*
Woodlark.

Genus PLISTHENES.

PLISTHENES MERIANÆ.

Cimex Merianæ, *Fabr.* — *Plisthenes dilatatus*, *W. C. H. iii. 475.*

Genus PIEZOSTERNUM.

PIEZOSTERNUM CALIDUM.

Cimex papilliosus, *Fabr. &c.* — *Cimex calidus*, *Fabr. &c.* — *Pentatoma tenebraria*, *Pal., Beauv., Serv.* — *Piezosternum mucronatum*, *W. C. H. iii. 457*; not of *Pal., Beauv.* — *Piezosternum calidum*, *Stal, &c.*

PIEZOSTERNUM EXCELLENS.

—— *Stoll, Pun. f. 117* — *Salica excellens*, *W. C. H. iii. 469* — *Piezosternum excellens*, *Stal.*

Genus PANTOCHLORA.

Pantochlora, *Stal, Enum. Hem.* i. 64.

PANTOCHLORA VIVIDA.

vivida, *Stal, Enum. Hem.* i. 65.

Campeachy.

TESSERATOMINA.

Genus TESSERATOMA.

TESSERATOMA CORNUTA, *W. C. H.* iii. 462.

Embelosterna taurus, *Stal, Enum. Hem.* i. 66.

TESSERATOMA MALAYA.

Malaya, *Stal, Enum. Hem.* i. 67.

T. chinensis = *T. papillosa*, according to *Stal*.

Genus PYGOPLATYS.

PYGOPLATYS ROLANDII.

Mucanum Rolandii, *W. C. H.* iii. 459—*Pygoplatys Rolandii*, *Voll. Faun. Ent. Ind. Heerl.* iii. 24. *Stal, Enum. Hem.* i. 69.

EUSTHENINA.

Genus MATTIPHUS.

MATTIPHUS AURIFER.

aurifer, *Stal, Enum. Hem.* i. 72 ; *Ofv. &c.* xxvii. 644.

Philippine Isles.

MATTIPHUS HIANIS.

hians, *Stal, Ofv. &c.* xxvii. 644.

Philippine Isles.

MATTIPHUS NIGRIDORSIS, *W. C. H.* iii. 469.

Asiarcha nigradorsis, *Stal, Enum. Hem.* i. 73.

Genus EUSTHENES.

EUSTHENES ROBUSTUS, *W. C. H.* iii. 468.

= *E. elephas*, *W. C. H.* iii. 468.

EUSTHENES SCUTELLARIS.

Tesseratoma scutellaris, *H.-Sch. Wanz. Ins.* iv. 81, pl. 133, f. 410—
Eusthenes minor, *Voll. Faun. Ind. Neerl.* iii. 29.

Java.

EUSTHENES HERCULES.

Hercules, *Stal, Enum. Hem. i. 231.*

Silhet ?

EUSTHENES JASON.

montellaris, *Voll. Faun. Ind. Neerl. iii. 28, pl. 3, f. 6—Jason, Stal, Enum. Hem. i. 232*

Java.

Eusthenes elephas = **E. robustus**, *W. C. H. iii. 468.*

Genus PYCANUM.

PYCANUM RUBENS.

Cimex rubens, *Fabr. Ent. Syst. iv. 107—Edessa rubens, Fabr. Syst. Rhyn. 151—Pycanum amethystinum, W. C. H. iii. 470.*

Genus CARPONA.

This genus includes **Pycanum imperiale**, **P. angulatum** (= **smatag-diferum**), and **P. amplicolle** (*var. ? P. Amyoti, Voll. Tijdschr. Voor Ent. Ser. 2, i. 219, pl. 11, f. 7 ; Faun. Ind. Neerl. iii. 34, pl. 3, f. 8.*)

Pycanum nigro-marginatum and **P. Westwoodii**, *W. C. H. iii. 470, 471*, constitute the genus **Oxylobus** of **Stal**.

Genus DALCANTHA.

DALCANTHA STALII.

Stalii, *Voll. Tijdschr. Voor Ent. Ser. 2, i. 220, pl. 11, f. 8—regia, W. C. H. iii. 474.*

DALCANTHA PLATYGASTRA.

Caudace platygastrea, *Stal, Enum. Hem. iii. 77.*

Genus APLOSTERNA.

APLOSTERNA DELEGORGUEI.

Encosternum Delegorguei, *Spin. Gen. Ins. Artr. 109 — Lamus Dallasi, Stal, Ofv. &c. x. 222—Haplosterna Delegorguei, Stal, Hem. Afr. i. 232.*

Natal.

DINORDORINA.

Genus CYCLOPELTA.

CYCLOPELTA RUFOCINCTA.

Dinidor rufocinctus, *Stal, Enum. Hem. i. 79.*

Bogota.

CYCLOPELTA SAUCIA.

Dinidor saucius, *Stal, Enum. Hem. i. 79.*

Bio Janeiro.

CYCLOPELTA IMPICTICOLLIS.

Diuidor impicticollis, *Stal, Enum. Hem. i. 80.*

Bogota.

CYCLOPETA ORNATA.

ornata, *Stal, Ofv. &c.* xxvii. 645.

Philippine Isles.

CYCLOPETA TRIMACULATA.

trimaculata, *Voll. Faun. Ent. Ind. Neerl.* iii. 37, pl. 4, f. 4—obscura,
var. *P*

Malacca. Borneo.

Genus ASPONGOPUS.

A. limbatus, *A. femoralis*, and *A. pullus* belong to the subgenus *Colpoproctus*, *Stal*.

ASPONGOPUS AFFINIS.

affinis, *Costa, A. S. E. F. 2me Sér. v. Bull.* xxvii.—ochreus, *Voll. Faun. Ent. Ind. Neerl.* iii. 38.

Java.

ASPONGOPUS MARGINATUS.

marginatus, *Costa, A. S. E. F. 2me Sér. v. Bull.* xxvii.—*Mulleri*, *W. C. H.* iii. 483.

ASPONGOPUS CUPRINUS.

cuprinus, *Stal, Enum. Hem.* i. 85 ; *Ofv. K. V. Ak. Forh.* xxvii. 645.

Philippine Isles.

Fam. PHYLLOCEPHALIDÆ.

Genus PLACOSTERNUM.

PLACOSTERNUM DAMA.

Cimex Dama, *Fabr. Ent. Syst.* iv. 92—*Edessa Dama*, *Fabr. Syst. Rhyn.* 147—*Placosternum Dama*, *Stal, Hem. Fabr.* i. 34.

Hindustan.

Genus PHYLLOCEPHALA.

PHYLLOCEPHALA MODESTA, *W. C. H.* iii. 487.

P. (Dalsira) modesta, *Stal, Hem. Fabr.* i. 41.

PHYLLOCEPHALA RUGOSA.

Cimex rugosus, *Fabr. Syst. Rhyn.* 158—*P. (Basicryptus) rugosa*, *Stal, Hem. Fabr.* i. 40.

Genus MACRINA.

MACRINA LEUCOGRAMMA.

leucogramma, *Germ.*

Cape.

Fam. MEGYMENIDÆ.

Genus MEGYMENUM.

M. brevicorne and *M. inerme* form the subgenus *Pseudaradus* of Burmeister and of Stal.

MEGYMENUM SUBPURPURASCENS.

Platydius subpurpurascens, *Westw. Zool. Journ.* v. 446, pl. 22, f. 8—*M. cupreum*, *W. C. H.* iii. 500.

MEGYMENUM AFFINE.

affine, *W. C. H.* iii. 502—*crenatum*, *W. C. H.* iii. 501—var. ? *affine*, *Mtrz. Ann. Sci. Phys. et Nat. 2me Sér.* vii. 1, 101.

M. semivestitum, *M. quadratum*, *M. anacanthum* and *M. parallelum*, form the subgenus *Anoplocephala*, *Stal*; the subgenus *Pissistes*, *Stal*, is represented by *M. gracilicorne*.

Fam. SPARTOCERIDÆ.

Genus SEPHINA.

SEPHINA GUNDLACHII.

Coreus (*Sephina*) *Gundlachii*, *Guér. Sagra, Hist. Cuba Ins.* 377, pl. 13, f. 6—*S. (Div. Pyrrhocosmia) Gundlachii*, *Stal, Enum. Hem.* i. 177.

Cuba.

SEPHINA MINIACEA.

Paryphes miniaceus, *W. C. H.* iv. 87.

Genus SPARTOCERA.

SPARTOCERA DENTICULATA.

denticulata, *Stal, Enum. Hem.* i. 172.

Bahia.

SPARTOCERA GRANULATA.

granulata, *Stal, Enum. Hem.* i. 173.

SPARTOCERA LATIVENTRIS.

lativentris, *Stal, Enum. Hem.* i. 174.

SPARTOCERA BREVICORNIS.

brevicornis, *Stal, Enum. Hem.* i. 175.

Monte Video.

SPARTOCERA DIFFUSA.

Coreus diffusus, Say, *New Harm. Ind.*; *Works Ed. Lec. i.* 325—*Spartocera diffusa*, Stal, *Enum. Hem. i.* 175.

Georgia.

SPARTOCERA RUBICUNDA.

Spartocera rubicunda, Spin. *Hist. Chile Zool. vii.* 177—*Spartocerus rubicundus*, Sgnt. *A. S. E. F. 4me Sér. iii.* 555.

Chili.

S. trilineata and *S. sculpta* belong to *Eubule* according to Stal.

Genus DEREPTERYX.

DEREPTERYX EXPANSUS.

expansus, Stal, *Ofv. &c. xxvii.* 640.

Philippine Isles.

Genus ACANONICUS.

ACANONICUS HAHNI.

Oriterus Hahni, Stal, *Eug. Resa*, 238—*Acanonicus Hahni*, Stal, *Enum. Hem. i.* 198.

Buenos Ayres.

Fam. MICTIDÆ.

Genus MICTIS.

MICTIS PUNGENS.

pungens, Stal, *Ofv. &c. xxvii.* 647.

Philippine Isles.

Genus CIPIA.

CIPIA GUTTIPES.

guttipes, Stal, *Ofv. &c. xxvii.* 646.

Philippine Isles.

Genus CHELINIDEA.

Chelinidea, Uhler, *Proc. Ent. Soc. Phil.* ii. 365.

CHELINIDEA VITTIGER.

vittiger, Uhler, *Proc. Ent. Soc. Phil.* ii. 366.

Utah. Fort Burton. Virginia. Louisiana.

Genus PHIDIPPUS.

PHIDIPPUS LIMBATUS.

limbatus, *Stal, Enum. Hem. i. 126.*

North Brazil.

Genus ARCHIMERUS.

Div. Lycambus, *Stal.*

ARCHIMERUS VARICOLOR.

Lycambes varicolor, *Stal, Stett. Ent. Zeit. xxiii. 273.*

Mexico.

Genus DIARIPTUS.

Diariptus, *Stal, Ofv. &c. xvi. 452; xxiv. 537.*

DIARIPTUS HEXACANTHUS.

hexacanthus, *Stal, Ofv. &c. xvi. 452.*

Brazil. Cameta.

DIARIPTUS NIGRIDENS.

nigridens, *Stal, Enum. Hem. i. 128.*

North Brazil.

Genus SPATHOPHORA.

Stal supposes that *Cimex umbrosus*, *Drury*, and *Pachylis biclavatus*, *H.-Sch.*, are not the same species.

Genus MEROCORIS.

MEROCORIS ELEVATUS.

Corynomerus elevatus, *Spin. Ess. Hem. 128*—*Merocoris elevatus*, *Mayr, Novara Hem. 95.*

Brazil.

Genus MOLCHINA.

MOLCHINA HOPEI.

Pachylis Hopei, *Perty, Del. An. 171, pl. 34, f. 3*—*Molchina spinosa*, *W. C. H. iv. 40.*

MOLCHINA GRANULATA.

granulata, *Stal, Enum. Hem. i. 131.*

North Brazil.

Genus PACHYLIS.

PACHYLIS GROSSUS.

Pachylis grossus, *Westw. Hope's Cat. Hem.* ii. 13—*Thasus grossus*, *Stal, Enum. Hem.* i. 133.

Genus RHOMBOGASTER.

RHOMBOGASTER NIGRICORNIS.

Mozena nigricornis, *Stal, Enum. Hem.* i. 135.

Cuba.

Genus CAPANEUS.

CAPANEUS MULTISPINUS, *W. C. H.* iv. 68.

C. (Acanthobolus) multispinus, *Stal, Enum. Hem.* i. 136.

CAPANEUS ACHILLES, *W. C. H.* iv. 68.

C. (Acidomus) Achilles, *Stal, Enum. Hem.* i. 136.

CAPANEUS AURICULATUS, *W. C. H.* iv. 68.

C. (Xuthus) auriculatus, *Stal, Enum. Hem.* i. 136.

CAPANEUS SPURCUS, *W. C. H.* iv. 68.

C. (Rhyparophorus) spurcus, *Stal, Enum. Hem.* i. 137.

Genus ARCHIMERUS.

ARCHIMERUS DILATATUS.

dilatatus, *Dallas, Cat. Hem.* ii. 418.

Venezuela.

Genus QUINTIUS.

QUINTIUS DENTIFER.

dentifer, *Stal, Enum. Hem.* i. 139.

New Granada.

Fam. NEMATOPIDÆ.

Genus METAPODIUS.

METAPODIUS LATIPES.

— *Albipennis*

METAPODIUS ALATUS.

Diactor alatus, *Burm. Handb. Ent.* ii. 334—*Acanthocephala alata*, *Stal, Enum. Hem.* i. 150—*Metapodius thoracicus*, *W. C. H.* iv. 49.

METAPODIUS PARENSIS, *W. C. H.* iv. 50.

Acanthocephala (*Spilopleura*) *Parensis*, *Stal, Enum. Hem.* i. 150.

METAPODIUS CONCOLOR.

Diactor concolor, *H.-Sch. Wanz. Ins.* vi. 54.

Cayenne.

METAPODIUS EQUALIS.

equalis, *Westw. Hope's Cat. Hem.* ii. 14.

Demerara.

METAPODIUS BISPINUS.

bispinus, *Westw. Hope's Cat. Hem.* ii. 15.

METAPODIUS NIGRICANS.

nigricans, *Westw. Hope's Cat. Hem.* ii. 15.

METAPODIUS FULVITARSUS.

fulvitarisus, *H.-Sch. Wanz. Ins.* ix. 258.

Div. Empedocles, *Stal, Ofv. &c.* xxiv. 541.

METAPODIUS TENUICORNIS.

tenuicornis, *Westw. Hope's Cat. Hem.* ii. 16—*Empedocles tenuicornis*, *Stal, Enum. Hem.* i. 152.

Genus NEMATOPUS.

NEMATOPUS NIGROANNULATUS.

nigroannulatus, *Stal, Enum. Hem.* i. 141.

Mexico.

NEMATOPUS VENTRALIS.

ventralis, *Westw. Hope's Cat. Hem.* ii. 14.

Brazil?

Genus NOTOBITUS.

NOTOBITUS SERRIPES.

Neinatopus serripes, *Dallas, Trans. Ent. Soc. Lond. New Ser.* i. 4, pl. 2, f. 2.

Boston.

Genus LAMINICAPS, W. C. H. in 82.

= Genus W. C. H. : v. 32.

LAMINICAPS CARIBBEA.

Pontonia caribbea, Stal, *Ofs. &c.* xvi. 425—*Laminicaps caribbea*, Stal, *Enum. Hem.* : 153.

Genus FLAXINELLIA.

FLAXINELLIA RUBRA.

Flaxinellia *Samm. Spinn. Rec. Hem.* 143—*Stenocelidea* *bioculipes*, Westw. *Hope's Cat. Hem.* ii. 18—*Flaxinellia* *Samm.*, Stal, *Enum. Hem.* i. 152.

FLAXINELLIA RUBRA.

Rubra, Stal, *Ofs. &c.* xvi. 427.

Rio Janeiro.

FLAXINELLIA FLAVIDA.

flavida, Stal, *Ofs. &c.* xvi. 427—*Phylloniscus* *fulgida*, W. C. H. ii. 84.

North Brazil.

Genus FULICOPUS.

FULICOPUS ALBOVARIUS.

Stenocelidea albovaria, Westw. *Hope's Cat. Hem.* ii. 18.
Brazil.

FULICOPUS ANESCENS.

Stenocelidea anescens, Stal, *Enum. Hem.* ii. 154.
Vera Cruz.

Fam. HOMŒOCERIDÆ.

Genus PARYPHES.

PARYPHES? FLAVISCUTELLATUS.

Anteoncelis flaviscutellatus, Blanch. *Orb. Voy. Amer. Ins.* 220, pl. 30, f. 5
—*Paryphes? flaviscutellatus*, Stal, *Enum. Hem.* 206.

Guarayos.

Genus GALÆSUS.

GALÆSUS PALLIDUS.

Dugynus pallidus, Stal, *Ofs. &c.* xxvii. 651.
Philippine Isles.

GALESUS NIGROPUNCTATUS.

Dasynus nigropunctatus, *Stal, Ofv. &c.* xxvii. 651.
Philippine Isles.

GALESUS BUCCULENTUS.

Dasynus bucculentus, *Stal, Ofv. &c.* xxvii. 652.
Philippine Isles.

Genus LAGARIA.

LAGARIA HAGLUNDI.

Anasa Haglundi, *Stal, Enum. Hem.* i. 190.
New Granada.

LAGARIA CORNUTA.

Anasa cornuta, *Serv. Hist. Hem.* 209. *Stal, Enum. Hem.* i. 191—*Lagaria cornuta*, *Stal, Rio Jan. Hem.* i. 191.
Rio Janeiro.

LAGARIA NIGRICOLLIS.

Anasa nigricollis, *Stal, Enum. Hem.* i. 191.
New Granada.

Genus HOMŒOCERUS.

HOMŒOCERUS FASCIATUS.

fasciatus, *Stal, Ofv. &c.* xxvii. 649.
Philippine Isles.

HOMŒOCERUS BIPUSTULATUS.

bipustulatus, *Stal, Ofv. &c.* xxvii. 650.
Philippine Isles.

HOMŒOCERUS IMMACULATUS.

immaculatus, *Stal, Ofv. &c.* xxvii. 650.
Philippine Isles.

Genus VERLUSIA.

VERLUSIA REYI.

Reyi, *Pulon, A. S. E. F. 5me Sér.* i. 303—*sinuata*, *Muls. et Rey.*

Fam. IGROMASTIDÆ.

Genus ANASA.

ANASA TRILINEATA.

trilineata, *Stal, Enum. Hem.* i. 190.
New Granada.

ANASA FUSCA.

fusca, *Stal, Enum. i.* 192.

ANASA DENTICULATA.

denticulata, *Stal, Enum. Hem. i.* 196.

Oaxaca.

ANASA ACUTANGULA.

acutangula, *Stal, Enum. Hem. i.* 196.

Cuba.

Genus CIMOLUS.**CIMOLUS OBSCURUS.**

obscurus, *Stal, Enum. Hem. i.* 189.

S. Carolina. Texas.

Genus CHARIESTERUS.

Chariesterina (*Chariesterus*, *Plapigus*, and *Staluptus*), *Stal.*

CHARIESTERUS GRACILICORNIS.

Coreus (C.) *albiventris*, *Guér. Sagra, Hist. Cuba Ins.* 381 — *Chariesterus gracilicornis*, *Stal, Enum. Hem. i.* 178.

Cuba. St. Eustace.

Genus SAGOTYLUS.

= *Mictoides*, *W. C. H.* iv. 38.

Div. Curtius, *Stal, Enum. Hem. i.* 143. Type, *Mictoides marginalis*, *W. C. H.* iv. 38.

Fam. ACANTHOCORIDÆ.**Genus CAMPTISCHIUM.****CAMPTISCHIUM NIGRUM.**

Acanthocerus (*Camptischium*) *niger*, *Stal, Enum. Hem. i.* 145—*clavipes*, *Var.?*

Brazil.

Genus GOLEMA.**GOLEMA RUBROMACULATA.**

= *G. tessellata*.

Genus ATHAUMASTUS.

= *Thlactocoris*. *Crinocerus hæmatus*, *C. subcarinatus* and *C. rubro-ornatus* belong to this genus.

Genus MACHTIMA.

MACHTIMA MEXICANA.

Mexicana, *Stal, Enum. Hem. i. 147.*

Vera Cruz.

Genus ZOREVA.

ZOREVA SPINIFERA.

spinifera, *Stal, Enum. Hem. i. 148.*

North Brazil.

ZOREVA LOBULATA.

lobulata, *Stal, Enum. Hem. i. 148.*

New Granada.

Fam. ANISOSCELIDÆ.

Genus DIACTOR.

DIACTOR SCUTELLARIS.

Anisoscelis scutellaris, *Stal, Enum. Hem. i. 159.*

New Granada.

DIACTOR ALIPES.

Anisoscelis alipes, *Guér. Mag. Zool. iv. Ins. pl. 75.*

Mexico.

DIACTOR HYMENIPHERA.

Anisoscelis hymeniphera, *Westw. Duncan's Nat. Libr. i. 275, pl. 20, f. 3.*

Mexico.

DIACTOR FLAVOLINEATUS.

Anisoscelis flavolineata, *Blanch. Orb. Dict. Univ. Hist. Nat. Atlas, Ins. Hem. pl. 6, f. 7.*

New Granada.

DIACTOR BAGOTANUS.

bagotanus, *Stal, Enum. Hem. i. 160.*

New Granada.

Genus ANISOSCELIS.

ANISOSCELIS DILATICOLLIS.

Leptoglossus dilaticollis, *Guér. Voy. Coq. Ins. v. 14, pl. 12, f. 9.*
Brazil.

ANISOSCELIS FULVICORNIS.

fulvicornis, *Westw. Hope's Cat. Hem. ii. 17.*

ANISOSCELIS PHYLLOPUS.

Cimex phyllopus, *Linn. &c.*—*albicincta*, *W. C. H.* iv. 124.

ANISOSCELIS MACROPHYLLUS.

Leptoglossus macrophyllus, *Stal, Enum. Hem.* i. 162.
New Granada.

ANISOSCELIS THORACICA.

thoracicus, *Guer. Sagra, Hist. Cuba Ins.* 386.
Cuba.

ANISOSCELIS MEMBRANACEA, W. C. H. iv. 129.

A. orientalis, *W. C. H.* iv. 130.

ANISOSCELIS RUFIVENTRIS.

rufiventris, *Dallas, Trans. Ent. Soc. Lond. New Ser.* i. 5.
Bootan.

ANISOSCELIS CONSPERSA.

Theognis vexillatus, *Mayr, Novara Hem.* 101—*Leptoglossus conspersus*,
Stal, Enum. Hem. i. 163.
Bogota.

ANISOSCELIS IMPICTIPENNIS.

Leptoglossus impictipennis, *Stal, Enum. Hem.* i. 163.

ANISOSCELIS QUADRICOLLIS.

quadricollis, *Westw. Hope's Cat. Hem.* ii. 17 = *inconspicua* and *pulchra*,
W. C. H. iv. 126.

ANISOSCELIS HARPAGON.

Cimex harpagon, *Fabr. &c.* = *sexmaculata* and *erythrina*, *W. C. H.* iv.
126.

ANISOSCELIS FRATERNA.

fraterna, *Westw. Hope's Cat. Hem.* ii. 16.
South America?

Div. Microphyllia, *Stal, Enum. Hem.* i. 167.

ANISOSCELIS FASCIOLATA, W. C. H. iv. 126.

Microphyllia fasciolata, *Stal.*

Genus LEPTOSCELIS.

LEPTOSCELIS SERRATA.

serrata, *Sgnt. A. S. E. F. 4me Sér.* ii. 581.

Peru.

LEPTOSCELIS TRICOLOR.

tricolor, *Westw. Hope's Cat. Hem.* ii. 17.

New Granada.

LEPTOSCELIS PALLIDA.

pallida, *Stal, Enum. Hem.* i. 168—excellens, *Var.?*

Bolivia.

LEPTOSCELIS NIGRIPES.

nigripes, *Stal, Enum. Hem.* i. 169—fasciifera, *Var.?*

Bolivia.

Genus PHTHIA.

Leptoscelis ventralis, *Guér. Sagra, Hist. Cuba Ins.* 388. *Phthia ventralis*,
Stal, Enum. Hem. i. 171—lunata, *Var.?*

Cayenne.

PHTHIA ANNULIPES.

Leptoscelis annulipes, *Guér. Sagra, Hist. Cuba Ins.* 388.

Cuba.

Div. Amblyomia, *Stal, Enum. Hem.* i. 171.

PHTHIA BIFASCIATA.

Amblyomia bifasciata, *Stal, Enum. Hem.* i. 172.

Mexico.

Genus CEBRENIS.

CEBRENIS TUBEROLATA.

tuberculata, *Stal, Enum. Hem.* i. 200.

New Granada.

CEBRENIS ROBUSTA.

robusta, *Stal, Enum. Hem.* i. 200.

Mexico.

Genus HYPSONOTUS.

HYPSONOTUS SUBTERPUNCTATUS.

subterpunctatus, *Serv. Hist. Hem.* 242, pl. 5, f. 2.

Genus SPHICTYRUS.

SPHICTYRUS ELATUS.

elatus, *Stal, Enum. Hem.* i. 203.

North Brazil.

Genus JADERA.

JADERA OBSCURA.

Pyrrhotes obscura, *Westw. Hope's Cat. Hem.* ii. 26—*Jadera discolor*, *W. C. H.* iv. 144.

Rio Janeiro.

JADERA LATERALIS.

lateralis, *Stal, Ent. Zeit. Stett.* xxiii. 307.

Mexico.

JADERA PYRRHOLOMA.

pyrrholoma, *Stal, Enum. Hem.* i. 226.

New Granada.

JADERA PECTORALIS.

pectoralis, *Stal, Ent. Zeit. Stett.* xxiii. 307.

Brazil.

Genus SERINETHA.

SERINETHA TRIVITTATA.

Lygæus trivittatus, *Say, Journ. Acad. Phil.* iv. 322—*Leptocoris trivittatus*, *Stal, Enum. Hem.* i. 226.

Mexico.

Genus LYBAS.

LYBAS EGREGIUS, *W. C. H.* iv. 150.

Lobogonius egregius, *Stal.*

LYBAS MAURUS.

Lygæopharus maurus, *Stal, Ofv. &c.* xxvii. 653.

Philippine Isles.

LYBAS OBSCURIPES.

obscuripes, *Stal, Ofv. &c.* xxvii. 655.

Philippine Isles.

LYBAS MACULIPES.

maculipes, *Stal, Ofv. &c.* xxvii. 656.

Philippine Isles.

LYBAS PICTIPES.

pictipes, *Stal, Ofv. &c.* xxvii. 656.

Philippine Isles.

LYBAS PALLIDICORNIS.

pallidicornis, *Stal, Ofv. &c.* xxvii. 654.

Philippine Isles.

LYBAS OBSCURICORNIS.

obscuricornis, *Stal, Ofv. &c.* xxvii. 654.

Philippine Isles.

LYBAS PUNCTIPES.

punctipes, *Stal, Ofv. &c.* xxvii. 655.

Philippine Isles.

LYBAS DENTIFER.

dentifer, *Stal, Ofv. &c.* xxvii. 656.

Philippine Isles.

Lobogonius, *Lybas*, *Brachylybas*, *Lygæophorus* and *Agathyrma* constitute *Lybantina*, *Stal*, and there is a Synopsis of them by that author in the work above quoted.

Genus PETALOTOMA.

Petalotoma, *Guér. Sagra, Hist. Cuba Ins.* 389.

PETALOTOMA UNICOLOR.

unicolor, *Guér. Sagra, Hist. Cuba Ins.* 389.

Cuba.

Genus COPIUS.

COPIUS MACULATUS.

First described as *Cimex claviger*, *Herbst, Germ. Naturg.* vi. 260, pl. 39 B, f. 4.

COPIUS BREVICORNIS.

Tarpeius brevicornis, *Stal, Enum. Hem.* i. 158.

COPIUS VINULUS.

Baldus vinulus, *Stal, Enum. Hem.* i. 158.

Genus CHONDROCERA.

Chondrocera, *De Lap. Ess. Hem.* 44. *Stal, Ofv. &c.* xxiv. 544—*Petalotoma*, *Guér. Sagra, Hist. Cuba Ins.* 388.

CHONDROCEA LATICORNIS.

C. laticornis, *De Lap. Ess. Hem.* 45, pl. 53, f. 7—*P. unicolor*, *Guer. Sagra, Hist. Cuba Ins.* 389, pl. 13, f. 8.

Cuba.

Fam. ALYDIDÆ.

Genus HYALYMENUS.

HYALYMENUS MELANOCEPHALUS.

Alydus melanocephalus, *Erichs. Schomb. Reis. Brit. Guiana*, iii. 612—*Hyalymenus melanocephalus*, *Stal, Enum. Hem.* i. 210.

Guiana.

HYALYMENUS GRACILISPINUS.

gracilispinus, *Stal, Enum. Hem.* i. 210—*ichneumoniformis?* *W. C. H.* iv. 156.

HYALYMENUS ICHNEUMONIFORMIS.

ichneumoniformis, *Westw. Hope's Cat. Hem.* ii. 18.

South America.

Genus ALYDUS.

ALYDUS ORNATICEPS.

ornaticeps, *Stal, Stett. Ent. Zeit.* xix. 178.

Siberia.

Div. *Stachyocnemus*, *Stal, Enum. Hem.* i. 215.

ALYDUS APICALIS, *W. C. H.* iv. 159.

Stachyocnemis apicalis, *Stal, Enum. Hem.* i. 215.

A. simplex, *parvus*, *rufipes*, *abdominalis*, *consobrinus* and *vicinus* (*Westw. Hope's Cat. Hem.* ii. 18—20) may be of this genus.

ALYDUS PULCHER.

pulcher, *Stal, Ofv. &c.* xi. 235—*Hyalymenus pulcher*, *Stal, Enum. Hem.* i. 212.

Honduras.

ALYDUS LIMBATIVENTRIS.

tarsatus, *H.-Sch. Wanz. Ins.* viii. 101—*Hyalymenus limbativentris*, *Stal, Enum. Hem.* i. 212.

North Brazil.

ALYDUS EURINUS.

Lygæus eurinus, Say, *Journ. Acad. Sci. Phil.* iv. 324; *Works, Ed. Lec.* ii. 247—*Alydus pilosulus*, W. C. H. iv. 159—*Alydus eurinus*, Stal, *Enum. Hem.* i. 213.

ALYDUS QUINQUESPINOSUS.

Lygæus quinquespinosus, Say, *Journ. Acad. Sci. Phil.* iv. 323; *Works, Ed. Lec.* ii. 247—*Alydus cruentus*, W. C. H. iv. 159—A. (Megalotomus) *quinquespinosus*, Stal, *Enum. Hem.* i. 214.

Subg. *Tollius*, Stal, *Enum. Hem.* i. 213.

ALYDUS CURTULUS, W. C. H. iv. 159.

A. (*Tollius*) *curtulus*, Stal, *Enum. Hem.* i. 213.

Genus CAMPTOPUS.

CAMPTOPUS PROLETARIUS.

Alydus proletarius, Schaum, *Bericht. Kongl. Preuss. Akad. Wiss. Berl.* 1853, 358; *Peter's Reise, Moz.* 42. pl. 2, f. 6.

Mozambique.

CAMPTOPUS FERRUGINEUS.

Tupalus ferrugineus, Stal, *Ofv. &c.* xxvii. 657.

Philippine Isles.

CAMPTOPUS TARSATUS.

= *affinis* = *pallens* = *diversipes* according to Stal.

Genus DACLERA.

Div. *Apidaurus*, Stal, *Enum. Hem.* i. 209.

DACLERA CONSPERSA.

Apidaurus conspersus, Stal, *Enum. Hem.* i. 210.

New Granada.

Genus MARCIUS.

MARCIUS QUINQUESPINUS.

quinquespinus, Stal, *Ofv. &c.* xxvii. 657.

Philippine Isles.

Genus TRACHELIUM.

TRACHELIUM TRISPINOSUM.

Cimex trispinosus, *Deg. Ins.* iii. 354, pl. 35, f. 19—*Cydamus trispinosus*,
Stal, Enum. Hem. i. 216.

New Granada.

Genus SAVIUS.

SAVIUS DIVERSICORNIS.

Homœocerus diversicornis, *Westw. Hope's Cat. Hem.* ii. 22—*Paryphes*
suturellus, *W. C. H.* iv. 174.

SAVIUS DILUTUS.

Scamurius dilutus, *Stal, Ent. Zeit. Stett.* xxiii. 297—*Savius dilutus*, *Stal,*
Enum. i. 208.

Mexico.

Scamurius jurgiosus is also placed by Stal with this genus.

Fam. STENOCEPHALIDÆ.

Genus STENOCEPHALUS.

STENOCEPHALUS MEDIUS.

medius, *Muls. et Rey, Mém. Ac. Lyon*, xviii. 432.

Lyons.

Genus LEPTOCORISA.

LEPTOCORISA GENICULATA.

geniculata, *Guér. Sagra, Hist. Cuba Ins.* 392.

Cuba.

LEPTOCORISA NIGRICORNIS.

Gerris nigricornis, *Stal, Enum. Hem.* i. 218.

Minas Geraes.

Div. *Stachyobolus*, *Stal, &c.* xxvii. 658.

LEPTOCORISA MACILENTA.

Stachyobolus macilentus, *Stal, Ofv. &c.* xxvii. 659.

Philippine Isles.

Fam. COREIDÆ.

Genus CHOROSOMA.

CHOROSOMA MACILENTA.

macilentum, *Stal, Stett. Ent. Zeit.* xix. 179.

Siberia.

Genus NEIDES.

NEIDES PYGMÆUS.

Berytus pygmæus, *Reuter, Ofv. &c.* xxvii. 602.
Sweden.

NEIDES AFFINIS.

Berytus affinis, *Reuter, Ofv. &c.* xxvii. 602.
Sweden.

Genus SETHENIRA.

SETHENIRA FERBUGINEA.

ferruginea, *Stal, Enum. Hem.* i. 182.
Cuba.

Div. *Acidomeria*, *Stal, Enum. Hem.* i. 182.

SETHENIRA RUSTICA.

Acidomeria rustica, *Stal, Enum. Hem.* i. 182.
Mexico.

SETHENIRA CINCTICORNIS.

Acidomeria cincticornis, *Stal, Enum. Hem.* i. 183.
Uruguay.

SETHENIRA NIGRICORNIS.

Acidomeria nigricornis, *Stal, Enum. Hem.* i. 183.
Bogota.

SETHENIRA CINCTIPES.

Acidomeria cinctipes, *Stal, Enum. Hem.* i. 184.
Bogota.

Genus CHELINIDEA.

Chelinidea, *Uhler, Proc. Ent. Soc. Phil.* ii. 365—*Xiphares*, *W. C. H.* iv. 184.

CHELINIDEA VITTIGERA.

vittiger, *Uhler, Proc. Ent. Soc. Phil.* ii. 366.
Texas.

CHELINIDEA TABULATA.

Xiphares tabulatus, *W. C. H.* iv. 184.

Genus GONOCERUS.

GONOCERUS CONSPERSUS.

Anasa conspersa, *Stal, Enum. Hem.* i. 194.
Vera Cruz.

GONOCERUS COSTALIS.

Anasa costalis, *Stal, Enum. Hem. i. 194.*

Oaxaca.

GONOCERUS IMPICTIPES.

Anasa impictipes, *Stal, Enum. Hem. i. 195.*

Mexico.

GONOCERUS VITTIVENTRIS.

Anasa vittiventris, *Stal, Enum. Hem. i. 195.*

New Granada.

GONOCERUS DISCIFER.

Anasa discifera, *Stal, Enum. Hem. i. 196.*

New Granada.

GONOCERUS ANDRESII.

Coreus (Gonocerus) Andresii, *Guér. Sagra, Hist. Cuba Ins. 383, pl. 13, f. 9.*

Cuba.

Div. Ficana, *Stal, Ent. Zeit. Stett. xxiii. 303; Ofv. &c. xxiv. 548.*

GONOCERUS APICALIS, *W. C. H. iv. 186.*

Ficana apicalis, *Stal, Enum. Hem. i. 188.*

GONOCERUS VARIEGATUS.

variegatus, *Le Guill.—Brachylybas variegatus, Stal.*

Genus CLETUS.

CLETUS INERMIS, *W. C. H. iv. 198.*

This species inhabits Singapore, not Santarem, and it is mentioned erroneously as a *Gonocerus*.

CLETUS DENTICULATUS.

Cletomorpha denticulata, *Stal, Ofv. &c. xxvii. 652.*

Philippine Isles.

Genus NAMACUS.

NAMACUS PROMINULUS.

Dimalus prominulus, *Stal, Ofv. &c. xvi. 454—Namacus prominulus, Stal, Enum. Hem. i. 186.*

Surinam.

NAMACUS ANNULICORNIS.

annulicornis, *Stal, Enum. Hem. i. 186—ruf. scens, W. C. H. v. 1.*

Genus CATORHINTHA.

CATORHINTHA MENDICA.

endica, *Stal, Enum. Hem. i.* 187—*guttula*, *var.?*
Texas. Mexico.

CATORHINTHA TEXANA.

Texana, *Stal, Enum. Hem. i.* 187—*selector*, *Var.?*
Texas.

Genus DISCOGASTER.

DISCOGASTER CIRCULARIS.

circularis, *Burm. Handb. Ent. ii.* 315.
Rio Janeiro.

DISCOGASTER DENTIPES.

dentipes, *Stal, Enum. Hem. i.* 208.
Rio Janeiro.

Genus ZICCA.

ZICCA DELICATULA.

Coreus (*Zicca*) *delicatulus*, *Guér. Sagra, Hist. Cuba Ins.* 384.
Cuba.

Genus COLLATIA.

Collatia, *Stal, Ent. Zeit. Stett. xxiii.* 298; *Ofv. &c. xxiv.* 547.

COLLATIA EMARGINATA.

emarginata, *Stal, Ent. Zeit. Stett. xxiii.* 298.
Mexico.

Genus COREUS.

COREUS DORSALIS.

Dasycoris dorsalis, *Muls. et Rey, Mém. Acad. Lyon, xviii.* 234, 332.
France.

COREUS NIGRICORNIS.

Dasycoris nigricornis, *Stal, Enum. Hem. i.* 219.
Oaxaca.

Genus PLAPIGUS.

PLAPIGUS ABDOMINALIS.

Chariesterus abdominalis, *Dallas*—*Plapigus abdominalis*, *Stal.*

The three following are uncertain species of Coreidæ:—

Lygæus incubitor, *Fabr. Ent Syst.* iv. 136; *Syst. Rhyn.* 204.
Carolina.

Syromastes obliquus, *Say, New Harm. Ind.; Works, Ed. Lec.* i. 324.
North America.

Corius diffusus, *Say, New Harm. Ind.; Works, Ed. Lec.* i. 325.
Georgia.

Genus NYTTUM.

Nyttum, *Spin. Ess. Hem.* 144.

NYTTUM LIMBATUM.

limbatum, *Spin. Ess. Hem.* 144.
Brazil.

Fam. RHOPALIDÆ.

Genus HARMOSTES.

HARMOSTES REFLEXULUS.

Syromastes reflexulus, *Say, New Harm. Ind.; Works, Ed. Lec.* i. 323—
Harmostes costalis, *H.-Sch. Wanz. Ins.* ix. 270; pl. 320, f. 992—
Harmostes virescens, *W. C. H.* v. 16—*Harmostes reflexus*, *Stal, Enum. Hem.* i. 220.

HARMOSTES FRATERCULUS.

Syromastes fraterculus, *Say, New Harm. Ind.; Works, Ed. Lec.* i. 324—
Harmostes fraterculus, *Stal, Enum. Hem.* i. 221.
Texas.

Div. Aufeius, *Stal, Enum. Hem.* i. 221.

HARMOSTES IMPRESSICOLLIS.

Aufeius impressicollis, *Stal, Enum. Hem.* i. 222.
Texas.

Genus CERALEPTUS.

CERALEPTUS AMERICANUS.

Americanus, *Stal, Enum. Hem.* i. 219.
Texas.

Genus MARGUS.

MARGUS OBSCURUS.

obscurus, *Stal, Enum. Hem.* i. 189.
New Granada.

Genus **MACCEVETHUS**.**MACCEVETHUS ERRANS.**= **M. Corsicus**.Genus **PSEUDOPHLÆUS**.**Div. Encedonia**, *Stal, Ofv. &c.* xvi. 550.**PSEUDOPHLÆUS MUTICUS**, *W. C. H.* v. 16.**Encedonia mutica**, *Stal, Enum. Hem.* i. 187.Genus **MYRMIDIUS**.**MYRMIDIUS FLAVIDUS.****Prionotylus Helfer**, *Fieb.*—**Chorosoma brevicorne**? *Muls. et Rey.*Genus **RHOPALUS**.

R. hyalinus, **rubescens** and **lugens** belong to Subg. **Liorhyssus**, *Stal.*
R. Sidæ, **pictipes** and **ventralis** belong to Subg. **Niesthrea**, *Stal.* **R. punctiventris** and **R. scutatus** belong to Subg. **Arhyssus**, *Stal.*

RHOPALUS ANTICUS.**Corizus anticus**, *Sgnt. A. S. E. F. 3me Sér.* vii. 99—**C. (Niesthrea) aulicus**, *Stal, Enum. Hem.* i. 223.**Buenos Ayres.****RHOPALUS BOHEMANNI.****Corizus Bohemanni**, *Sgnt. A. S. E. F. 3me Sér.* vii. 86—**C. (Arhyssus) Bohemanni**, *Stal, Enum. Hem.* i. 223.**Carolina.****RHOPALUS ROBUSTUS.****Corizus robustus**, *Westw. Hope's Cat. Hem.* ii. 26. *Sgnt. A. S. E. F. 3me Sér.* vii. 103.**Brazil.****RHOPALUS VINCENTII.****Corizus Vincentii**, *Westw. Hope's Cat. Hem.* ii. 26. *Sgnt. A. S. E. F. 3me Sér.* vii. 103.**Isle St. Vincent.****RHOPALUS LATERALIS.**

Coreus lateralis, *Say, Journ. Acad. Phil.* iv. 320; *Works, Ed. Lec.* ii. 245
 —**Corizus lateralis**, *Sgnt. A. S. E. F. 3me Sér.* vii. 97.

United States.

RHOPALUS NOVÆBORACENSIS.

Corizus Novæboracensis, *Sgnt. A. S. E. F. 3me Sér. vii. 97.*
New York.

RHOPALUS NIGRISTERNUM.

Corizus nigristernum, *Sgnt. A. S. E. F. 3me Sér. vii. 100.*
New York.

RHOPALUS PUNCTATUS.

Corizus punctatus, *Sgnt. A. S. E. F. 3me Sér. vii. 81.*
Mexico.

RHOPALUS QUADRILINEATUS.

Corizus quadrilineatus, *Sgnt. A. S. E. F. 3me Sér. vii. 90.*
Chili.

RHOPALUS FENESTRATUS.

Corizus fenestratus, *Sgnt. A. S. E. F. 3me Sér. vii. 93.*
Chili.

RHOPALUS AURANTIACUS.

Corizus aurantiacus, *Sgnt. A. S. E. F. 3me Sér. vii. 96.*
Venezuela.

RHOPALUS ANNULATUS.

Corizus annulatus, *Sgnt. A. S. E. F. 3me Sér. vii. 98.*
Chili.

RHOPALUS PILOSUS.

Corizus pilosus, *Sgnt. A. S. E. F. 3me Sér. vii. 101.*
La Guayra.

RHOPALUS PARVICORNIS.

Corizus parvicornis, *Sgnt. A. S. E. F. 3me Sér. vii. 101.*
Tabasco.

RHOPALUS BOREALIS.

Corizus borealis, *Uhler, Proc. Acad. Nat. Soc. Phil. 1861, 284.*
North America.

Fam. LYGÆIDÆ.**Genus LYGÆUS.****LYGÆUS SAUNDERSI.**

Saundersi, *Muls. et Rey, Ann. Soc. Lin. Lyon, xviii. 126; Op. Ent. xiv.*
225.

Malaga.

LYGÆUS DALLASII.

Dallasii, *Guér. Sagra, Hist. Cuba Ins.* 395.

Cuba.

LYGÆUS RUBRICATUS.

L. (Oncopeltus) rubricatus, *Stål, Ofv. &c.* xxvii. 659.

Philippine Isles.

Genus ORSILLUS.

ORSILLUS LONGIROSTRIS.

longirostris, *Muls. et Rey, Ann. Soc. Lin. Lyon*, xviii. 204; *Op. Ent.* xiv. 232.

Hyères.

ORSILLUS PLANUS.

planus, *Muls. et Rey, Ann. Soc. Lin. Lyon*, xviii. 208; *Op. Ent.* xiv. 233.

Marseilles.

ORSILLUS REYI.

Reyi, *Puton, Pet. Nouv.* 1871, 124; *Mitt. Schw. Ent. Ges.* iii. 416.

Hyères.

Genus RHYPAROCHROMUS.

RHYPAROCHROMUS ANOMALUS, *W. C. H.* v. 84.

Pachymerus Stabianus, *Costa.*

RHYPAROCHROMUS FERRUGINEUS, *W. C. H.* v. 87.

= **R. rubefactus.**

RHYPAROCHROMUS DOUGLASI, *W. C. H.* v. 86.

= **R. Ghilianii.**

RHYPAROCHROMUS DAMRII.

Notochilus Damrii, *Puton, Pet. Nouv.* 1871, 124; *Mitt. Schw. Ent. Ges.* iii. 418.

Corsica.

RHYPAROCHROMUS LIMBATUS.

Notochilus limbatus, *Puton, Pet. Nouv.* 1871, 124; *Mitt. Schw. Ent. Ges.* iii. 418.

Lille.

RHYPAROCHROMUS ABEILLII.

Notochilus Abeillii, *Puton, Pet. Nouv.* 1871, 124; *Mitt. Schw. Ent. Ges.* iii. 419.

St. Baume.

RHYPAROCHROMUS GANDOLPHII.

Notochilus Gandolphii, *Pulou, Pet. Nouv.* 1871, 124; *Mill. Schw. Ent. Ges.* iii. 420.

Bone.

RHYPAROCHROMUS BURMEISTERI.

Lygæus (Beosus) Burmeisteri, *Guér. Sagra, Hist. Cuba Ins.* 397.
Cuba.

RHYPAROCHROMUS ABDOMINALIS.

Lygæus (Beosus) abdominalis, *Guér. Sagra, Hist. Cuba Ins.* 397.
Cuba.

RHYPAROCHROMUS MINIMUS.

Lygæus (Beosus) minimus, *Guér. Sagra, Hist. Cuba Ins.* 398.
Cuba.

Genus PTEROTMETUS.

PTEROTMETUS PUNCTULATUS, *W. C. H.* v. 114.

= *P. flavipes*.

PTEROTMETUS MENETRIESI.

Menetriesi, *Kouschakow*—*Pachymerus hemipterus*, *Flor, Rhyn. Liv.* 1.

PTEROTMETUS STENOIDES.

Zygæus (Pterotmetus) stenoides, *Guér. Sagra, Hist. Cuba Ins.* 400.
Cuba.

Genus PLINTHISUS.**PLINTHISUS LATUS.**

latus, *Reuter, Not. Fenn.* xi. 320, pl. 1, f. 5.
Finland.

Genus PLOCIOMERUS.**PLOCIOMERUS SERVILLEI.**

Lygæus (Plociomerus) Servillei, *Guér. Sagra, Hist. Cuba Ins.* 399.
Cuba.

PLOCIOMERUS TRIGUTTATUS.

Lygæus (Plociomerus) triguttatus, *Guér. Sagra, Hist. Cuba Ins.* 400.
Cuba.

PLOCIOMERUS DOHRNII.

Lygæus (Plociomerus) Dohrnii, *Guér. Sagra, Hist. Cuba Ins.* 399.
Cuba.

PLACIOMERUS AMYOTII.

Lygæus (Plociomerus) Amyotii, *Guér. Sagra, Hist. Cuba Ins.* 400.
Cuba.

Genus GASTRODES.

GASTRODES SIGNORETII.

Lygæus (Platygaster) *Signoretii*, *Guér. Sagra, Hist. Cuba Ins.* 396.
Cuba.

Genus OXYCARENUS.

OXYCARENUS MODESTUS.

Stenogaster Falleni, *Sahlb. Not. Fenn.* xi.

Genus ŒDANCALA.

ŒDANCALA DORSALIS.

dorsalis, Say = *dorsilinea*, *W. C. H.* v. 146.
United States.

Genus MYODOCHA.

MYODOCHA PETIOLATA.

petiolata, Say, *Works, ed. Lec.* i. 337.
Illinois.

Fam. ANTHOCORIDÆ.

Genus ANTHOCORIS.

ANTHOCORIS ARMATUS.

Zopherocoris armatus, *Reuter, Ofv. &c.* xxviii. 566.

ANTHOCORIS NIGRONITENS.

Macrotrachelia nigronitens, *Reuter, Ofv. &c.* xxviii. 566.

ANTHOCORIS SULCIFER, *W. C. H.* v. 151.

Solenonotus sulcifer, *Reuter, Ofv. &c.* xxviii. 559.

ANTHOCORIS PICTURATUS.

Calliodis picturata, *Reuter, Ofv. &c.* xxviii. f. 559, f. 2.
Brazil.

Genus LYCTOCORIS.

LYCTOCORIS FITCHII.

Fitchi, *Reuter, Ofv. &c.* xxviii. 557.
New York.

LYCTOCORIS ELONGATUS.

Dolichomerus elongatus, *Reuter, Ofv. &c.* xxviii. 558, f. 1.
S. Carolina.

LYCTOCORIS STALI.

Dolichomerus Stali, *Reuter, Ofv. &c.* xxviii. 558.
S. Carolina.

Genus PIEZOSTETHUS.

PIEZOSTETHUS PARVULUS.

parvulus, *Sahlb. Not. Fenn.* xi. 321.
Finland.

PIEZOSTETHUS LATIVENTRIS.

lativeutris, *Sahlb. Not. Fenn.* xi. 287, pl. 1, f. 1.
Caretia.

PIEZOSTETHUS SORDIDUS.

sordidus, *Reuter, Ofv. &c.* xxviii. 560.
Texas. Brazil.

PIEZOSTETHUS BINOTATUS.

binotatus, *Reuter, Ofv. &c.* xxviii. 560.
S. Carolina.

Genus TRIPHLEPS.

TRIPHLEPS INSIDIOSUS.

T. rugicollis, *Reuter, Ofv. &c.* xxviii. 565.
Texas.

TRIPHLEPS LATULUS.

latulus, *Reuter, Ofv. &c.* xxviii. 565.
New Jersey.

Genus XYLOCORIS.

XYLOCORIS LIMBATELLUS.

Dasypterus limbatellus, *Reuter, Ofv. &c.* xxviii. 564.

XYLOCORIS ASSIMILIS.

Dasypterus assimilis, *Reuter, Ofv. &c.* xxviii. 564.
S. Carolina. Texas.

XYLOCORIS DISCIFER.

Poronotus discifer, *Reuter, Ofv. &c.* xxviii. 561.

XYLOCORIS CONSTRICTUS.

Poronotus constrictus, *Reuter, Ofv. &c.* xxviii. 561.

XYLOCORIS PALLIDULUS.

Lasiochilus pallidulus, *Reuter, Ofv. &c.* xxviii. 562.
S. Carolina.

XXLOCORIS FUSCULUS.**Dilasia fuscula, Reuter, Ofv. &c. xxviii. 563.****S. Carolina Texas.****Genus DIPSOCORIS.****DIPSOCORIS PUSILLIMUS.****pusillimus, Sahlb. Not. Fenn. xi. 288.****Carelia.****Genus SCOLOPOSCELIS.****SCOLOPOSCELIS FLAVICORNIS.****flavicornis, Reuter, Ofv. &c. xxviii. 561.****Texas.****Fam. PYRRHOCORIDÆ.****Genus IPHITA.****Iphita, Stal, Enum. Hem. i. 99.****IPHITA LIMBATA.****limbata, Stal, Enum. Hem. i. 99.****Silhet.****Genus ODONTOPUS.****ODONTOPUS FESTIVUS.****Lygæus festivus, Fabr. Syst. Rhyn. 220 — Physopelta festiva, Stal, Hem. Fabr. i. 79.****Guinea.****Genus PHYSOPELTA.****PHYSOPELTA BIGUTTATA.****biguttata, Stal, Enum. Hem. i. 100.****Manilla.****Genus LARGUS.****LARGUS DISCOLOR.****rufipennis, Burm., ad partem discolor, Stal, Enum. Hem. i. 93.****Brazil.****LARGUS BIPUSTULATUS.****bipustulatus, Stal, Ofv. &c. xviii. 196.****Mexico.****LARGUS SEXGUTTATUS.****sexguttatus, H.-Sch. Wanz. Ins. ix. 181.****LARGUS PALLIDICORNIS.****pallidicornis, H.-Sch. Wanz. Ins. ix. 181.**

GENUS THERANUS.

THERANUS CUCUMERIS.

THERANUS. *Ann. Entom. Soc. N. Y.*

Japan.

Fem. CAPSIDE.

GENUS MIRIS.

MIRIS PALUDOSUS.

THERANUS PALUDOSUS. *Smith Nat. Faun. xi. 291.*

Japan.

MIRIS SYMPLECTICUS.

THERANUS SYMPLECTICUS. *Smith Nat. Faun. vii. 293.*

Japan.

MIRIS LONGICORNIS.

THERANUS FEM. *Smith Nat. Faun. vii. 290.*

GENUS LOPTUS.

LOPTUS CIRCUMSCRIBATUS.

LOPTUS CIRCUMSCRIBATUS. *Cocc.*

LOPTUS CUCUMERIS.

LOPTUS CUCUMERIS. *Smith Nat. Faun. xi. 293.*

GENUS CYTLOCORIS.

CYTLOCORIS GLOBULIFER.

CYTLOCORIS GLOBULIFER. *Cocc.*

GENUS CAPSUS.

CAPSUS EXOTATUS.

CAPSUS EXOTATUS. *Ann. Entom. Soc. N. Y. xi. 322.*

Japan.

CAPSUS DISTINGUENDUS, *Gerb.*

C. DISTINGUENDUS. *Id.*

CAPSUS RUBIDUS, *Gerb.*

C. RUBIDUS. *Id.*

CAPSUS NEGLECTUS, *Fabr.*

C. NEGLECTUS. *Cocc.*

CAPSUS PUSCUM, *Ramb.*

C. PUSCUM. *Cocc.*

CAPSUS PYRI, *Nella.*

C. PYRI. *Fabr.*

CAPSUS INSITIVUS.

insitivus, Say, *Works*, ed. *Lec.* i. 340.

Indiana. Florida.

CAPSUS NIGRITULUS.

nigritulus, Uhler.

Indiana.

CAPSUS BIOCULATUS.

bioculatus, Uhler.

United States.

CAPSUS VITRIPENNIS.

vitripennis, Say — *Campyloneura vitripennis*, Riley, *Rep. Ins. Mo.* 137, f. 58, 59.

United States.

Genus PYCNODERES.

Pycnoderes, Guér. Sagra, *Hist. Cuba Ins.* 404.

PYCNODERES QUADRIMACULATUS.

quadrимaculatus, Guér. Sagra, *Hist. Cuba Ins.* 404.

Cuba.

Genus LEPTOMEROCORIS.

LEPTOMEROCORIS FLAVEOLUS.

Tytthus flaveolus, Reuter, *Not. Fenn.* xi. 323, pl. 1, f. 1, f. 6 — *insignis*?
Dougl. and Scott.

Finland.

LEPTOMEROCORIS SALTATOR, Hahn.

Globiceps infuscatus, Garb.

LEPTOMEROCORIS MACULARUBRA, Muls.

Capsus mixticolor, Costa.

LEPTOMEROCORIS SALINUS.

Conostethus salinus, Sahlb. *Not. Fenn.* xi. 296, pl. 1, f. 3, 4.

Carelia.

Genus EURYMEROCORIS.

EURYMEROCORIS ALNICOLA.

Psallus Alnicola, Dougl. and Scott, *Ent. M. Mag.* viii. 62—*Alni*, D. and S.
Hem., not *Alni*, Fabr.

EURYMEROCORIS NOTATUS, Fieb.

Capsus Tamarisci, Perris.

EUTHEROCORIS FULLER.**Apollonius pulch., Natur., Nat. Faun. xi. 334.****Fuller.****Fam. TINGIDIDÆ.****Genus TINGIA.****Tingia Sam., W. C. H. vi. 180.****Monanthia Sam., vi. 181.****TINGIA DELATATA.****Illig., Germ. Mag. Zool. 1831, pl. 8.****Sam. Latr.****Genus MONANTHIA.****MONANTHIA DEBILITATA.****Illig., Germ. Mag. Zool. 1831, pl. 8.****Sam. Latr.****Fam. PIESMIDÆ.****Genus PIESMA.****PIESMA LENTA.****Illig., Germ. Mag. Zool. 1831, pl. 8.****Sam. Latr.**

The following translation of Prof. Stål's 'Synopsis of the Medirostra' may be of use in the investigation of that numerous tribe:—

- | | |
|---|----------------|
| A. Mesothorax and metathorax free. Fore tarsi with one joint and with one claw. - - - | EMESIDA. |
| B. Mesothorax extending backward over the metathorax. Fore tarsi with two claws. | |
| a. Claws simple. | |
| • Prothoraculum wholly free from the scutellum. | |
| + Fore legs separate: coxae elongated: femora slightly chitinous, rugose beneath. - - - | PLOICORIDA. |
| ++ Fore legs hardly separate: fore coxae cylindrical, very slightly elongated. - - - | SAICIDA. |
| aa Scutellum covering the prothoraculum. | |
| + Anterior wings of the anterioriform. | |
| • Fore tibiae with no furrow for the reception of the tarsus. | |
| § Fore wings with no discal areolet. | |
| ✓ Fore tarsi three-jointed. | |
| • Scutellum at the tip notched and with a point on each side. | |
| → Antennae four-jointed. - - - | ECTRICHODIIDA. |
| →→ Antennae many-jointed. - - - | HAMMOCKRIDA. |
| aa Scutellum acute or like a spine at the tip. | PRIRATIDA. |

| | | | | | |
|----|--|---|---|---|---------------|
| ×× | Fore tarsi two-jointed. | - | - | - | SALYAVATIDA. |
| §§ | Fore wings with a discal areolet. | | | | |
| × | Fore tarsi three-jointed. | - | - | - | STENOPODIDA. |
| ×× | Fore tarsi apparently one-jointed. | - | - | - | ECTINODERIDA. |
| ‡‡ | Fore tibiæ with a furrow for the reception of the tarsi. | - | - | - | APIOMERIDA. |
| †† | Apical joint of the antennæ fusiform. | - | - | - | HOLOPTOLIDA. |
| b. | Claws appendiculate or dilated. | | | | |
| * | Medipectus not tuberculated. | - | - | - | REDUVIIDA. |
| ** | Medipectus with a small tubercle. | - | - | - | HEZIDA. |

Hammocerida is limited to Hammocera and Homalocoris; Salyavata includes Salyavata, Petalocherus and Lisarda; Hezida is represented by Heza, Prionotus, Isocondylus and by other genera.

Fam. PIRATIDÆ.

Genus PIRATES.

PIRATES ACUMINATUS.

Reduvius acuminatus, Say, *Works Ed. Lec. i.* 356.

Illinois.

Genus PACHYNOMUS.

PACHYNOMUS ALUTACEUS.

alutaceus, Stal, *Ofv. &c.* xv. 442.

Tranquebar.

Genus NABIS.

According to Prof. Stal Nabis differs from Pirates in the structure of the fore wings, and by the same characters forms a transition to Salda.

Genus METAPTERUS.

Metapterus, Costa, *Puton, Mitt. Schw. Ent. Ges.* iii. 425. (Neidosoma).

METAPTERUS LINEARIS.

linearis, Costa—Damrii, *Mitt. Schw. Ent. Ges.* iii. 425.

Corsica.

Genus CNEMODUS, H.-Sch. Wanz. Ins. ix. 134.

CNEMODUS MAVORTIUS.

Mavortius, Say—*Cnemodus brevipeennis*, H.-Sch. *Wanz. Ins.* ix. 184, pl. 309, f. 948.

United States.

FAM. REDUVIDÆ.

Genus TETROXIA.

Div. *Centrocnemis*, *Stal*, *Ofs. &c.* xxiii. 244.

TETROXIA GRANULOSA.

Centrocnemis granulosa, *Stal*, *Ofs. &c.* xxiii. 244.
Malacca.

Genus ACANTHASPIS.

ACANTHASPIS FLAVOVARIA.

Reduvius flavovarius, *Hall*, *Wenk. Ins.* ii. 18, pl. 39, f. 126.
Brazil.

ACANTHASPIS QUADRIANNULATA.

quadriannulata, *Stal*, *Ofs. &c.* xxvii. 695—*flavovaria*, var. f.
Philippine Isles.

ACANTHASPIS INERMIS.

inermis, *Stal*, *Ofs. &c.* xxvii. 695.
Philippine Isles.

Div. *Pasira*, *Stal*, *Ofs. &c.* xvi. 190.

ACANTHASPIS BASIPTERA.

Pasira basiptera, *Stal*, *Ofs. &c.* xvi. 190.
Cyprus.

Genus REDUVIUS.

REDUVIUS BITUBERCOLATUS.

Hagia bituberculata, *Stal*, *Ofs. &c.* xxvii. 683.
Philippine Isles.

Genus OPINUS.

Div. *Velitra*, *Stal*, *Hem. Afr.* iii. 122; *Berl. Ent. Zeit.* x. 160.

OPINUS RUBROPICTUS.

Velitra rubropicta, *Stal*.

OPINUS ALBOPLAGIATUS.

Cerilocus alboplagiatus, *Stal*, *Ofs. &c.* xvi. 187—*Velitra alboplagiatus*,
Stal.
Philippine Isles.

OPINUS DICHROUS.

Velitra dichroa, *Stal, Ofv. &c. xxvii. 695.*

Philippine Isles.

OPINUS GENICULATUS.

Sminthus geniculatus, *Stal, Ofv. &c. xxvii. 695.*

Philippine Isles.

OPINUS RUFIPES.

Sminthus rufipes, *Stal, Ofv. &c. xxvii. 695.*

Philippine Isles.

Genus TIARODES.

TIARODES CRUENTUS.

cruentus, *Stal, Ofv. &c. xxvii. 694.*

Philippine Isles.

Genus PETALOCHIRUS.

Div. Valentia, *Stal, Berl. Ent. Zeit. x. 166.*

PETALOCHIRUS APETALUS.

Valentia apetala, *Stal.*

Genus SPHÆRIDOPS.

Div. Vesperis, *Stal, Hem. Afr. iii. 121 ; Berl. Ent. Zeit. x. 166.*

SPHÆRIDOPS RUGOSICOLLIS.

Vesperis rugosicollis, *Stal.*

Genus VOCONIA.

Voconia, *Stal, Hem. Afr. iii. 120 ; Berl. Ent. Zeit. x. 166.*

VOCONIA PALLIDIPES.

pallidipes, *Stal, Berl. Ent. Zeit. x. 165.*

Moreton Bay.

Genus LOPHOCEPHALA.

Subgen. Campylorhyncha, *Stal, Ofv. &c. xxvii. 691.*

LOPHOCEPHALA FEMORALIS.

Tegea (C.) femoralis, *Stal, Ofv. &c. xxvii. 691, pl. 7, f. 11.*

Philippine Isles.

Genus NALATA.

Div. Stachyogenys, *Stal, Ofv. &c. xxvii. 606.*

NALATA SETIPES.

Stachyogenys setipes, Stal, Ofv. &c. xxvii. 607.

Philippine Isles.

Genus EPIRODERA.

EPIRODERA FULIGINOSA.

fuliginosa, Stal, Ofv. &c. xxiii. 693.

Philippine Isles.

Genus VESCIA.

Vescia, Stal, Hem. Afr. iii. 150; Berl. Ent. Zeit. x. 166.

VESCIA SPICULA.

spicula, Stal, Berl. Ent. Zeit. x. 166.

Brazil.

Fam. STENOPODIDÆ.

Genus ONCOCEPHALUS.

ONCOCEPHALUS NIGRISPINUS.

nigrispinus, Stal, Ofv. &c. xxvii. 701.

Philippine Isles.

Genus SASTRAPADA.

SASTRAPADA LURIDA.

Sastrapada luridus, Stal, Ofv. &c. xxvii. 699.

Philippine Isles.

SASTRAPADA TAGALICA.

Harpagochares tagalicus, Stal, Ofv. &c. xxvii. 699.

Philippine Isles.

Genus PYGOLAMPIS.

Div. Stachyotropa, *Stal, Ofv. &c. xxvii. 697.*

PYGOLAMPIS PUNCTIFERA.

Stachyotropa punctifera, Stal, Ofv. &c. xxvii. 698, pl. 8, f. 13.

Philippine Isles.

Div. Campsocnemis, *Stal, Ofv. &c.* xxvii. 698.

PYGOLAMPIS RIPUNCTICOLLIS.

Campsocnemis bipuncticollis, *Stal, Ofv. &c.* xxvii. 699, pl. 8, f. 14.
Philippine Isles.

Genus AULACOGENIA.

Aulacogenia, *Stal, Ofv. &c.* xxvii. 700.

AULACOGENIA ACUTANGULA.

acutangula, *Stal, Ofv. &c.* xxiii. 700.
Philippine Isles.

AULACOGENIA CORNICULATA.

corniculata, *Stal, Ofv. &c.* xxvii. 701.
Philippine Isles.

Genus STACCIA.

Staccia, *Stal, Hem. Afr.* iii. 150.

STACCIA DILUTA.

diluta, *Stal, Berl. Ent. Zeit.* x. 166.
Philippine Isles.

STACCIA PLEBEIA.

plebeia, *Stal, Berl. Ent. Zeit.* x. 166.
Ceylon.

Fam. APIOMERIDÆ.

Genus BEHARUS.

BEHARUS PUSTULATUS.

Reduvius pustulatus, *Fabr. Syst. Rhyn.* 267.

This Appendix to the Catalogue does not include all the additional species, and many new genera and species have lately appeared in a publication to which I have not yet access, and it is possible that the number will be shortly much more increased; these names will be sufficient for another supplement.

